

Appendix A

Common Help

IIdentifiable Interface

The ID is not part of the Identification system so it must be introduced by the class.

For a list of all members of this type, see [IIdentifiable Members](#).

```
public interface IIdentifiable
```

Requirements

Namespace: [Microsoft.Business.Common](#)

Assembly: Microsoft.Business.Common (in Microsoft.Business.Common.dll)

See Also

[IIdentifiable Members](#) | [Microsoft.Business.Common Namespace](#)

Common Help

IIdentifiable Members

[IIdentifiable overview](#)

Public Instance Properties

 ID

See Also

[IIdentifiable Interface](#) | [Microsoft.Business.Common Namespace](#)

Common Help

IIdentifiable Properties

The properties of the **IIdentifiable** interface are listed below. For a complete list of **IIdentifiable** interface members, see the [IIdentifiable Members](#) topic.

Public Instance Properties

 ID

See Also

[IIdentifiable Interface](#) | [Microsoft.Business.Common Namespace](#)

Common Help

IIdentifiable.ID Property

```
System.Guid ID {get;}
```

See Also

[IIdentifiable Interface](#) | [Microsoft.Business.Common Namespace](#)

Common Help

Microsoft.Business.Common.OrganizationStructure Namespace**Classes**

Class	Description
Boundary	Provides the ability to specify where data should be retrieved from or stored to in regard to organization structures.
BoundaryCollection	A collection of boundaries used to communicate with the organization structure data filtering subsystem.
BusinessUnit	Represents a physical or logical part of an enterprise.
BusinessUnit.Key	EntityKey class for BusinessUnit.
BusinessUnitVirtualCollection	Entity VirtualCollection for BusinessUnit.
CompanyOptions	All properties of BusinessUnit applicable only for company.
CompanyOptions.Key	EntityKey class for CompanyOptions.
CompanyOptionsVirtualCollection	Entity VirtualCollection for CompanyOptions.
EntityFilterLink	Default filter link for BusinessUnit .
EntityFilterLink.Key	EntityKey class for EntityFilterLink.
Filter	Represents a set of FilterLink objects.
Filter.Key	EntityKey class for Filter.
FilterableAttribute	Specifies details of filtering for filterable entity.
FilterableContainerAttribute	
FilterLink	Represents an association between a filterable entity and a filterable container.
FilterLink.Key	EntityKey class for FilterLink.
FilterLinkAttribute	Specifies details of filtering for filter link.
FilterLinkFactory	Factory of filter links.
FilterManager	Helper used for all operations involving filter links.
FilterVirtualCollection	Entity VirtualCollection for Filter.
FunctionalCategory	Represents a functional category of a business unit.
FunctionalCategory.Key	EntityKey class for FunctionalCategory.
FunctionalCategoryVirtualCollection	Entity VirtualCollection for FunctionalCategory.
OrganizationTree	Represents an organization hierarchy.
OrganizationTree.Key	EntityKey class for OrganizationTree.
OrganizationTreeNode	Represents a node of organization hierarchy.
OrganizationTreeNode.Key	EntityKey class for OrganizationTreeNode.
OrganizationTreeVirtualCollection	Entity VirtualCollection for OrganizationTree.
PersistentTree	Represents a persistent hierarchy of IIdentifiable objects.
PersistentTree.Key	EntityKey class for PersistentTree.
PersistentTreeAttribute	Specifies behavior of a type descending from PersistentTree .
PersistentTreeCache	Summary description for PersistentTreeCache.
PersistentTreeNode	Summary description for PersistentTreeNode.
PersistentTreeNode.Key	EntityKey class for PersistentTreeNode.
PersistentTreeNodeVirtualCollection	Entity VirtualCollection for PersistentTreeNode.
PersistentTreeResidentType	Summary description for PersistentTreeResidentType.
PersistentTreeResidentType.Key	EntityKey class for PersistentTreeResidentType.
PersistentTreeResidentTypeVirtualCollection	Entity VirtualCollection for PersistentTreeResidentType.

PersistentTreeVirtualCollection	Entity VirtualCollection for PersistentTree.
ReflectionHelper	Common methods that involve reflection.
UpdatePersistentTreeActivity	Used internally to update persistent tree with changes from cache.

Interfaces

Interface	Description
FilterManager.IService	
IFilterLink	Represents a link between two IIdentifiable objects. One of them should be decorated with FilterableAttribute , the other one should be decorated with FilterableContainerAttribute .
IFilterLinkFactory	IFilterLinkFactory represents a factory of IFilterLinks.
PersistentTreeNode.IService	

Delegates

Delegate	Description
Filter.FilterLevelSetterCallback	
Filter.FilterSecurityLevelSetterCallback	

Enumerations

Enumeration	Description
FilterLevel	Represents level of a Filter .
FilterMaintenance	Represents different ways of maintaining filter when a related persistent tree changes.
FilterSecurityLevel	Represents security level of a Filter .
OrganizationTreeStatus	Represents status of organization tree.
PersistentTreeNode.ValidateOptions	
PersistentTreeOptions	Defines optional behavior of a type deriving from persistent tree.

Common Help

Boundary Class

Provides the ability to specify where data should be retrieved from or stored to in regard to organization structures.

For a list of all members of this type, see [Boundary Members](#).

[System.Object](#)
Boundary

```
public class Boundary
```

Remarks

The Boundary class is always used in conjunction with the [BoundaryCollection](#) class.

Requirements

Namespace: [Microsoft.Business.Common.OrganizationStructure](#)

Assembly: Microsoft.Business.Common (in Microsoft.Business.Common.dll)

See Also


[Boundary Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)











Common Help

Boundary Members


[Boundary overview](#)

Public Static Methods




 AreAccessible	Overloaded. Returns the security accessibility of the given containers for the current user.
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 ClearDefault	Overloaded. Clears the default filterable container for the given type and filter level.
 GetAccessible	Overloaded. Returns a collection of accessible containers for the given type.
 GetContainerID	Returns the IIdentifiable ID of the specified container.
 GetDefault	Returns the default filterable container for the given type and filter level.
 GetKey	Returns the key of the specified container.
 IsAccessible	Overloaded. Returns the security accessibility of a given container for the current user.
 SecurityRights.CanChangeFilterLevel	Internal use only. Do not use.
 SecurityRights.IsCreateLinkPermittedInContainer	Internal use only. Do not use.
 SecurityRights.IsDeleteLinkPermittedInContainer	Internal use only. Do not use.
 SetDefault	Sets the default filterable container for the given type and filter level.









Public Instance Constructors

 Boundary	Overloaded. Initializes a new instance of the Boundary class.
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Public Instance Properties

 ContainerType	Gets the container type of the boundary.
 FilterableType	Gets the filterable type of the boundary.
 IgnoreFiltering	Gets and sets a flag indicating whether filtering should be ignored.

Public Instance Methods

 AddContainers	Adds container instances to the current Boundary instance.
 Copy	Returns a copy of the current Boundary instance.
 Equals (Inherited from Object)	Determines whether the specified Object is equal to the current Object .
 GetContainers	Gets a lists of containers from the current Boundary instance.
 GetHashCode (Inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 GetType (Inherited from Object)	Gets the Type of the current instance.
 RemoveContainers	Removes container instances from the current Boundary instance.
 ToString (Inherited from Object)	Returns a String that represents the current Object .

Protected Instance Methods

 Finalize (Inherited from Object)	Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection.
 MemberwiseClone (Inherited from Object)	Creates a shallow copy of the current Object .

See Also

[Boundary Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help**Boundary Constructor**

Initializes a new instance of the [Boundary](#) class.

Overload List

Initializes a new instance of the [Boundary](#) class.

`public Boundary(Type,Type):`

Initializes a new instance of the [Boundary](#) class.

`public Boundary(Type,Type,params Guid[]):`

See Also

[Boundary Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

Boundary Constructor (Type, Type)

Initializes a new instance of the [Boundary](#) class.

```
public Boundary(  
    Type filterableType,  
    Type containerType  
)
```

Parameters

filterableType

The filterable entity type of the boundary.

containerType

The filterable container type of the boundary.

Return Value

A [Boundary](#) instance where the [IgnoreFiltering](#) property is set to false and the container list is empty.

Remarks

The primary use for this constructor is to create a boundary which will allow for viewing data across the entire enterprise. If no containers are specified and the [IgnoreFiltering](#) property is set to true, all data will be returned. If the filter is secured, then the user must have the appropriate rights to view all data. This involves asserting the **DataAccessPermission** using the [DataAccessPermissionFlags.NoDataFiltering](#) flag.

Exceptions

Exception Type	Condition
ArgumentNullException	The filterableType cannot be null.
ArgumentNullException	The containerType cannot be null.
ArgumentException	The filterableType must be decorated with the FilterableAttribute to be added as part of a boundary.
ArgumentException	The containerType must be decorated with the FilterableContainerAttribute to be added as part of a boundary.

Example

```
// Set a boundary that will ignore filtering  
Boundary boundary = new Boundary(typeof(FilterableType), typeof(FilterableContainerType));  
BoundaryCollection boundaryCol = new BoundaryCollection(boundary);  
EntityVirtualCollection entityVC = EntityVirtualCollection.Create(typeof(FilterableType));  
entityVC.FilterOptions.Add(boundaryCol);  
  
// To use this class, the Microsoft.BusinessFramework.Security.Permissions.dll assembly must be referenced  
DataAccessPermission dataAccessPermission = new DataAccessPermission(DataAccessPermissionFlags.NoDataFiltering);  
dataAccessPermission.Assert();  
  
// The following will return all data provided the user has proper rights  
entityVC.FindAll();
```

See Also

[Boundary Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [Boundary Constructor Overload List](#)

Common Help

Boundary Constructor (Type, Type, Guid[])

Initializes a new instance of the [Boundary](#) class.

```
public Boundary(  
    Type filterableType,  
    Type containerType,  
    Guid[] guidArray)
```

```

    params Guid[] containers
};

```

Parameters*filterableType*

The filterable entity type of the boundary.

containerType

The filterable container type of the boundary.

containers

A list of [IIdentifiable](#) IDs to be added to the boundary.

Return Value

A [Boundary](#) instance where the `IgnoreFiltering` property is set to false and the container list set to the containers specified.

Remarks

The primary use for this constructor is to create a boundary that will allow for the retrieval or storage of data from/to particular containers.

Exceptions

Exception Type	Condition
ArgumentNullException	The <code>filterableType</code> cannot be null.
ArgumentNullException	The <code>containerType</code> cannot be null.
ArgumentNullException	The list of containers cannot be null.
ArgumentException	The <code>filterableType</code> must be decorated with the FilterableAttribute to be added as part of a boundary.
ArgumentException	The <code>containerType</code> must be decorated with the FilterableContainerAttribute to be added as part of a boundary.




See Also

[Boundary Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [Boundary Constructor Overload List](#)

*Common Help***Boundary Properties**

The properties of the **Boundary** class are listed below. For a complete list of **Boundary** class members, see the [Boundary Members](#) topic.

Public Instance Properties

 ContainerType	Gets the container type of the boundary.
 FilterableType	Gets the filterable type of the boundary.
 IgnoreFiltering	Gets and sets a flag indicating whether filtering should be ignored.

See Also

[Boundary Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***Boundary.ContainerType Property**

Gets the container type of the boundary.

```
public System.Type ContainerType {get;}
```

Property Value

The [Type](#) of the container that is part of the boundary.

Remarks

Note that the `ContainerType` must decorated with the [FilterableContainerAttribute](#) to be added as part of a boundary.

See Also

[Boundary Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***Boundary.FilterableType Property**

Gets the filterable type of the boundary.

```
public System.Type FilterableType {get;}
```

Property Value

The Type of the filterable entity that is part of the boundary.

Remarks

Note that the `FilterableType` must decorated with the [FilterableAttribute](#) to be added as part of a boundary.

See Also

[Boundary Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

Boundary.IgnoreFiltering Property

Gets and sets a flag indicating whether filtering should be ignored.

```
public bool IgnoreFiltering {get; set;}
```

Property Value

True if filtering should be ignored for the boundary; false otherwise.

Remarks

When set to true and dealing with a secure filter relationship, you must also assert the **DataAccessPermission** permission using the `DataAccessPermissionFlags.NoDataFiltering` flag in order to ignore filtering. This ensures only trusted assemblies can turn off filtering.

See Also












[Boundary Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help



Boundary Methods







The methods of the **Boundary** class are listed below. For a complete list of **Boundary** class members, see the [Boundary Members](#) topic.

Public Static Methods



 AreAccessible	Overloaded. Returns the security accessibility of the given containers for the current user.
 ClearDefault	Overloaded. Clears the default filterable container for the given type and filter level.
 GetAccessible	Overloaded. Returns a collection of accessible containers for the given type.
 GetContainerID	Returns the IIdentifiable ID of the specified container.
 GetDefault	Returns the default filterable container for the given type and filter level.
 GetKey	Returns the key of the specified container.
 IsAccessible	Overloaded. Returns the security accessibility of a given container for the current user.
 SecurityRights.CanChangeFilterLevel	Internal use only. Do not use.
 SecurityRights.IsCreateLinkPermittedInContainer	Internal use only. Do not use.
 SecurityRights.IsDeleteLinkPermittedInContainer	Internal use only. Do not use.
 SetDefault	Sets the default filterable container for the given type and filter level.

Public Instance Methods

 AddContainers	Adds container instances to the current Boundary instance.
 Copy	Returns a copy of the current Boundary instance.
	Determines whether the specified Object is equal to the current

 Equals (inherited from Object)	Object .
 GetContainers	Gets a lists of containers from the current Boundary instance.
 GetHashCode (inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 GetType (inherited from Object)	Gets the Type of the current instance.
 RemoveContainers	Removes container instances from the current Boundary instance.
 ToString (inherited from Object)	Returns a String that represents the current Object .

Protected Instance Methods

 Finalize (inherited from Object)	Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection.
 MemberwiseClone (inherited from Object)	Creates a shallow copy of the current Object .

See Also

[Boundary Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***Boundary.AddContainers Method**

Adds container instances to the current **Boundary** instance.

```
public void AddContainers(
    params Guid[] containers
);
```

Parameters

containers

A list of **Identifiable** IDs to be added to the boundary.

Exceptions

Exception Type	Condition
ArgumentNullException	The containers cannot be null.

See Also

[Boundary Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***Boundary.AreAccessible Method**

Returns the security accessibility of the given containers for the given user.

Overload List

Returns the security accessibility of the given containers for the given user.

```
public static bool AreAccessible(Key, Type, params Guid[]);
```

Returns the security accessibility of the given containers for the current user.

```
public static bool AreAccessible(Type, params Guid[]);
```

See Also

[Boundary Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***Boundary.AreAccessible Method (Key, Type, Guid[])**

Returns the security accessibility of the given containers for the given user.

```
public static bool AreAccessible(
    Key userKey,
    Type containerType,
    params Guid[] containerList
);
```

Parameters*userKey*The user key of a valid **User**.*containerType*

The container type of a secured container.

*containerList*A list of [IIdentifiable](#) IDs of specific container instances.**Return Value**True if all containers are accessible for the given **User**; false otherwise.**Exceptions**

Exception Type	Condition
ArgumentNullException	The <i>userKey</i> cannot be null.
ArgumentNullException	The <i>containerType</i> cannot be null.
ArgumentNullException	The <i>containerList</i> cannot be null.
ArgumentException	The <i>containerList</i> cannot be empty.

See Also[Boundary Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [Boundary.AreAccessible Overload List](#)*Common Help***Boundary.AreAccessible Method (Type, Guid[])**

Returns the security accessibility of the given containers for the current user.

```
public static bool AreAccessible(  
    Type containerType,  
    params Guid[] containerList  
);
```

Parameters*containerType*

The container type of a secured container.

*containerList*A list of [IIdentifiable](#) IDs of specific container instances.**Return Value**True if all containers are accessible for the current **User**; false otherwise.**Exceptions**

Exception Type	Condition
ArgumentNullException	The <i>containerType</i> cannot be null.
ArgumentNullException	The <i>containerList</i> cannot be null.
ArgumentException	The <i>containerList</i> cannot be empty.

See Also[Boundary Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [Boundary.AreAccessible Overload List](#)*Common Help***Boundary.ClearDefault Method**

Clears all defaults.

Overload List

Clears all defaults.

`public static void ClearDefault();`

Clears the default filterable container for the given type.

`public static void ClearDefault(Type);`

Clears the default filterable container for the given type and filter level.

`public static void ClearDefault(Type, FilterLevel);`**See Also**

[Boundary Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

Boundary.ClearDefault Method ()

Clears all defaults.

```
public static void ClearDefault();
```

Remarks

This method clears defaults for all container types and all filter levels.

See Also

[Boundary Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [Boundary.ClearDefault Overload List](#)

Common Help

Boundary.ClearDefault Method (Type)

Clears the default filterable container for the given type.

```
public static void ClearDefault(  
    Type containerType  
);
```

Parameters

containerType
The filterable container type for which you are clearing the default.

Remarks

Clears the defaults for all filter levels of the given container type.

Exceptions

Exception Type	Condition
ArgumentNullException	The <i>containerType</i> cannot be null.
ArgumentException	The <i>containerType</i> must be decorated with the FilterableContainerAttribute to clear a default.

See Also

[Boundary Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [Boundary.ClearDefault Overload List](#)

Common Help

Boundary.ClearDefault Method (Type, FilterLevel)

Clears the default filterable container for the given type and filter level.

```
public static void ClearDefault(  
    Type containerType,  
    FilterLevel filterLevel  
);
```

Parameters

containerType
The filterable container type for which you are clearing the default.

filterLevel
The filter level of the filter relationships for which you are clearing the default.

Exceptions

Exception Type	Condition
ArgumentNullException	The <i>containerType</i> cannot be null.
ArgumentException	The <i>containerType</i> must be decorated with the FilterableContainerAttribute to clear a default.

See Also

[Boundary Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [Boundary.ClearDefault Overload List](#)

Common Help

Boundary.Copy Method

Returns a copy of the current [Boundary](#) instance.

```
public Boundary Copy();
```

Return Value

A copy of the current instance of the [Boundary](#) class.

See Also

[Boundary Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

Boundary.GetAccessible Method

Returns a collection of accessible containers for the given user and type.

Overload List

Returns a collection of accessible containers for the given user and type.

```
public static GuidCollection GetAccessible(Key, Type);
```

Returns a collection of accessible containers for the given type.

```
public static GuidCollection GetAccessible(Type);
```

See Also

[Boundary Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

Boundary.GetAccessible Method (Key, Type)

Returns a collection of accessible containers for the given user and type.

```
public static GuidCollection GetAccessible(  
    Key userKey,  
    Type containerType  
);
```

Parameters

[userKey](#)

The user key of a valid **User**.

[containerType](#)

The container type of a secured container.

Return Value

[GuidCollection](#) of containers to which the given **User** has access.

Exceptions

Exception Type	Condition
ArgumentNullException	The userKey cannot be null.
ArgumentNullException	The containerType cannot be null.

See Also

[Boundary Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [Boundary.GetAccessible Overload List](#)

Common Help

Boundary.GetAccessible Method (Type)

Returns a collection of accessible containers for the given type.

```
public static GuidCollection GetAccessible(  
    Type containerType  
);
```

Parameters

[containerType](#)

The container type of a secured container.

Return Value

[GuidCollection](#) of containers to which the current user has access.

Exceptions

Exception Type	Condition
ArgumentNullException	The containerType cannot be null.

See Also

[Boundary Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [Boundary.GetAccessible Overload List](#)

*Common Help***Boundary.GetContainerID Method**

Returns the [IIdentifiable](#) ID of the specified container.

```
public static Guid GetContainerID(
    IKey containerKey
);
```

Parameters

containerKey
The key of a specific container instance.

Return Value

The [IIdentifiable](#) ID of the specified container.

Remarks

Once this method has been called, subsequent calls will use the cached value to retrieve the ID. This will increase performance since the key must be examined in order to get the ID. The *containerKey* must implement the [IIdentifiable](#) interface directly, or the entity represented by the key must implement the [IIdentifiable](#) interface. If the *containerKey* does not directly implement the interface, it must be an **EntityKey** in order to get the instance of the entity.

Exceptions

Exception Type	Condition
ArgumentNullException	The containerKey cannot be null.
ArgumentException	The containerKey must implement the IIdentifiable interface directly, or the entity represented by the key must implement the IIdentifiable interface. If the containerKey does not directly implement the interface, it must be an EntityKey in order to get the instance of the entity.

See Also

[Boundary Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***Boundary.GetContainers Method**

Gets a lists of containers from the current [Boundary](#) instance.

```
public GuidCollection GetContainers();
```

Return Value

[GuidCollection](#) of containers of the current [Boundary](#) instance.

See Also

[Boundary Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***Boundary.GetDefault Method**

Returns the default filterable container for the given type and filter level.

```
public static Guid GetDefault(
    Type containerType,
    FilterLevel filterLevel
);
```

Parameters

containerType
The filterable container type for which you are getting the default.

filterLevel
The filter level of the filter relationships for which you are getting the default.

Return Value

The Guid of the filterable container specified as the default container.

Remarks

The default might be considered the "current" container, but it is really nothing more than a default. If nothing has been specified in the **FilterOptions** of the **EntityPersistenceOptions**, then the default will be used to retrieve/store organization structure data. The filter level is very important to consider when retrieving the default, since it should match the filter level of the filterable entity / filterable container filter relationship.

Exceptions

Exception Type	Condition
ArgumentNullException	The <code>containerType</code> cannot be null.
ArgumentException	The <code>containerType</code> must be decorated with the FilterableContainerAttribute to store and retrieve a default.

See Also

[Boundary Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***Boundary.GetKey Method**

Returns the key of the specified container.

```
public static IKey GetKey(
    Type containerType,
    Guid container
);
```

Parameters

containerType

The container type of a secured container.

container

The [IIdentifiable](#) ID of a specific container instance.

Return Value

The **IKey** of the specified container; null if it can't be retrieved.

Remarks

Once this method has been called, subsequent calls will use the cached value to retrieve the key. This will increase performance since the entity must be retrieved in order to get the key. The `containerType` must implement the **IKey** interface or the **IComponentContainer** interface, and must also implement the [IIdentifiable](#) interface in order to retrieve the key.

Exceptions

Exception Type	Condition
ArgumentNullException	The <code>containerType</code> cannot be null.
ArgumentNullException	The <code>container</code> cannot be null.
ArgumentException	The <code>containerType</code> must implement the IKey interface or the IComponentContainer interface, and must also implement the IIdentifiable interface in order to retrieve the key.

See Also

[Boundary Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***Boundary.IsAccessible Method**

Returns the security accessibility of a given container for the given user.

Overload List

Returns the security accessibility of a given container for the given user.

```
public static bool IsAccessible(Key,Type,Guid);
```

Returns the security accessibility of a given container for the current user.

```
public static bool IsAccessible(Type,Guid);
```

See Also

[Boundary Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

Boundary.IsAccessible Method (Key, Type, Guid)

Returns the security accessibility of a given container for the given user.

```
public static bool IsAccessible(  
    Key userKey,  
    Type containerType,  
    Guid container  
);
```

Parameters

- userKey*
The user key of a valid **User**.
- containerType*
The container type of a secured container.
- container*
The Identifiable ID of a specific container instance.

Return Value

True if the given container is accessible for the given **User**; false otherwise.

Exceptions

Exception Type	Condition
<u>ArgumentNullException</u>	The userKey cannot be null.
<u>ArgumentNullException</u>	The containerType cannot be null.

See Also

[Boundary Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [Boundary.IsAccessible Overload List](#)

Common Help

Boundary.IsAccessible Method (Type, Guid)

Returns the security accessibility of a given container for the current user.

```
public static bool IsAccessible(  
    Type containerType,  
    Guid container  
);
```

Parameters

- containerType*
The container type of a secured container.
- container*
The Identifiable ID of a specific container instance.

Return Value

True if the given container is accessible for the current **User**; false otherwise.

Exceptions

Exception Type	Condition
<u>ArgumentNullException</u>	The containerType cannot be null.

See Also

[Boundary Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [Boundary.IsAccessible Overload List](#)

Common Help

Boundary.RemoveContainers Method

Removes container instances from the current Boundary instance.

```
public void RemoveContainers(  
    params Guid[] containers  
);
```

Parameters

- containers*
A list of Identifiable IDs to be removed from the boundary.

Exceptions

Exception Type	Condition
ArgumentNullException	The containers cannot be null.

See Also

[Boundary Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***Boundary.SecurityRights_CanChangeFilterLevel Method**

Internal use only. Do not use.

```
public static bool SecurityRights_CanChangeFilterLevel(  
    Type filterLinkType  
);
```

Remarks

Internal use only. Do not use.

See Also

[Boundary Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***Boundary.SecurityRights_IsCreateLinkPermittedInContainer Method**

Internal use only. Do not use.

```
public static bool SecurityRights_IsCreateLinkPermittedInContainer(  
    Type containerType,  
    Guid filterableContainerID  
);
```

Remarks

Internal use only. Do not use.

See Also

[Boundary Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***Boundary.SecurityRights_IsDeleteLinkPermittedInContainer Method**

Internal use only. Do not use.

```
public static bool SecurityRights_IsDeleteLinkPermittedInContainer(  
    Type containerType,  
    Guid filterableContainerID  
);
```

Remarks

Internal use only. Do not use.

See Also

[Boundary Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***Boundary.SetDefault Method**

Sets the default filterable container for the given type and filter level.

```
public static void SetDefault(  
    Type containerType,  
    FilterLevel filterLevel,  
    Guid container  
);
```

Parameters

containerType

The filterable container type for which you are setting the default.

filterLevel

The filter level of the filter relationships for which you are setting the default.

container

The container intended to be the default.

Remarks

The default might be considered the "current" container, but it is really nothing more than a default. This default will be used to retrieve/store organization structure data if nothing has been specified in the **FilterOptions** of the **EntityPersistenceOptions**. The filter level is very important to consider when setting the default, since it should match the filter level of the filterable entity / filterable container filter relationship. Finally, the recommended usage is to set the global boundary at set up time, not in between entity persistence requests. Use the **FilterOptions** of the **EntityPersistenceOptions** to override the default.

Exceptions

Exception Type	Condition
ArgumentNullException	The containerType cannot be null.
ArgumentException	The containerType must be decorated with the FilterableContainerAttribute to store and retrieve a default.

See Also

[Boundary Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

BoundaryCollection Class

A collection of boundaries used to communicate with the organization structure data filtering subsystem.

For a list of all members of this type, see [BoundaryCollection Members](#).

[System.Object](#)

BoundaryCollection

```
public class BoundaryCollection : IEnumerable
```

Remarks

The **BoundaryCollection** class is a collection of instances of the [Boundary](#) class. The **BoundaryCollection** class is the primary means of communication with the organization structure data filtering subsystem. They should be passed via the **FilterOptions** of the **EntityPersistenceOptions** in order to perform data operations for specific boundaries.

Requirements

Namespace: [Microsoft.Business.Common.OrganizationStructure](#)

Assembly: Microsoft.Business.Common (in Microsoft.Business.Common.dll)

See Also


[BoundaryCollection Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help


BoundaryCollection Members

[BoundaryCollection overview](#)


Public Static Methods

 CreateIgnoreFilteringCollection	Initializes a BoundaryCollection of all existing filters for a given filterableType where filtering is turned off.
---	---





Public Instance Constructors













 BoundaryCollection	Overloaded. Initializes a new instance of the BoundaryCollection class.
--	---

Public Instance Properties



 Count	Gets an integer count of the number of boundaries in the collection.
---	--

Public Instance Methods

 Add	Overloaded. Adds a boundary to the BoundaryCollection .
 Copy	Returns a copy of the current BoundaryCollection instance.
 Equals (inherited from Object)	Determines whether the specified Object is equal to the current Object .
 GetBoundary	Gets the specified boundary from the collection.

 GetContainers	Gets the containers of the specified boundary from the collection.
 GetContainerTypes	Returns a list of container types that are part of boundaries for the given filterable type.
 GetEnumerator	Implementation of the IEnumerable interface.
 GetFilterableTypes	Returns a list of filterable types that are part of boundaries for the given container type.
 GetHashCode (Inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 GetType (Inherited from Object)	Gets the Type of the current instance.
 IgnoreFiltering	Sets a flag specifying whether or not filtering should be ignored for the given boundary.
 IsFilteringIgnored	Gets a flag specifying whether or not filtering will be ignored for the given boundary.
 Merge	Merges the provided BoundaryCollection with the current instance.
 Remove	Overloaded. Removes the specified boundary from the collection.
 RemoveAll	Removes all boundaries from the BoundaryCollection instance.
 ToString (Inherited from Object)	Returns a String that represents the current Object .

Protected Instance Methods

 Finalize (Inherited from Object)	Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection.
 MemberwiseClone (Inherited from Object)	Creates a shallow copy of the current Object .

See Also

[BoundaryCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***BoundaryCollection Constructor**

Initializes a new instance of the [BoundaryCollection](#) class.

Overload List

Initializes a new instance of the [BoundaryCollection](#) class.

```
public BoundaryCollection();
```

Initializes a new instance of the [BoundaryCollection](#) class comprised of the provided boundaries.

```
public BoundaryCollection(params Boundary[]);
```

Initializes a new instance of the [BoundaryCollection](#) class comprised of the boundaries provided in the given **EntityFilterOptions**.

```
public BoundaryCollection(EntityFilterOptions);
```

See Also

[BoundaryCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***BoundaryCollection Constructor ()**

Initializes a new instance of the [BoundaryCollection](#) class.

```
public BoundaryCollection();
```

See Also

[BoundaryCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [BoundaryCollection Constructor Overload List](#)

*Common Help***BoundaryCollection Constructor (Boundary[])**

Initializes a new instance of the [BoundaryCollection](#) class comprised of the provided boundaries.

```
public BoundaryCollection(  
    params Boundary\[\] boundaries  
)
```

Parameters

boundaries

A list of boundaries that should be added to the new instance of the collection.

Exceptions

Exception Type	Condition
ArgumentNullException	The boundaries cannot be null.

See Also

[BoundaryCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [BoundaryCollection Constructor Overload List](#)

Common Help

BoundaryCollection Constructor (EntityFilterOptions)

Initializes a new instance of the [BoundaryCollection](#) class comprised of the boundaries provided in the given **EntityFilterOptions**.

```
public BoundaryCollection(  
    EntityFilterOptions filterOptions  
)
```

Parameters

filterOptions

The **EntityFilterOptions** that contain instances of the [BoundaryCollection](#) class.

Exceptions

Exception Type	Condition
ArgumentNullException	The criteriaOptions cannot be null.

See Also


[BoundaryCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [BoundaryCollection Constructor Overload List](#)

Common Help

BoundaryCollection Properties

The properties of the **BoundaryCollection** class are listed below. For a complete list of **BoundaryCollection** class members, see the [BoundaryCollection Members](#) topic.

Public Instance Properties

 Count	Gets an integer count of the number of boundaries in the collection.
---	--

See Also

[BoundaryCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

BoundaryCollection.Count Property

Gets an integer count of the number of boundaries in the collection.

```
public int Count {get;}
```

Property Value

Number of boundaries in the instance of the collection.

See Also


[BoundaryCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

















BoundaryCollection Methods

The methods of the **BoundaryCollection** class are listed below. For a complete list of **BoundaryCollection** class members, see the [BoundaryCollection Members](#) topic.



Public Static Methods

 CreateIgnoreFilteringCollection	Initializes a BoundaryCollection of all existing filters for a given filterableType where filtering is turned off.
---	--

Public Instance Methods

 Add	Overloaded. Adds a boundary to the BoundaryCollection .
 Copy	Returns a copy of the current BoundaryCollection instance.
 Equals (Inherited from Object)	Determines whether the specified Object is equal to the current Object .
 GetBoundary	Gets the specified boundary from the collection.
 GetContainers	Gets the containers of the specified boundary from the collection.
 GetContainerTypes	Returns a list of container types that are part of boundaries for the given filterable type.
 GetEnumerator	Implementation of the IEnumerable interface.
 GetFilterableTypes	Returns a list of filterable types that are part of boundaries for the given container type.
 GetHashCode (Inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 GetType (Inherited from Object)	Gets the Type of the current instance.
 IgnoreFiltering	Sets a flag specifying whether or not filtering should be ignored for the given boundary.
 IsFilteringIgnored	Gets a flag specifying whether or not filtering will be ignored for the given boundary.
 Merge	Merges the provided BoundaryCollection with the current instance.
 Remove	Overloaded. Removes the specified boundary from the collection.
 RemoveAll	Removes all boundaries from the BoundaryCollection instance.
 ToString (Inherited from Object)	Returns a String that represents the current Object .

Protected Instance Methods

 Finalize (Inherited from Object)	Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection.
 MemberwiseClone (Inherited from Object)	Creates a shallow copy of the current Object .

See Also

[BoundaryCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

BoundaryCollection.Add Method

Adds a boundary to the [BoundaryCollection](#).

Overload List

Adds a boundary to the [BoundaryCollection](#).

```
public void Add(params Boundary[]);
```

Adds a boundary to the [BoundaryCollection](#) for the given containers.

```
public void Add(Type,Type,params Guid[]);
```

See Also

[BoundaryCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

BoundaryCollection.Add Method (Boundary[])

Adds a boundary to the [BoundaryCollection](#).

```
public void Add(  
    params Boundary\[\] boundaries  
);
```

Parameters

boundaries

List of boundaries to be added to the [BoundaryCollection](#) instance.

Exceptions

Exception Type	Condition
ArgumentNullException	The boundaries cannot be null.
ArgumentException	A boundary for the same filterable type and container type pair can only be added once to the BoundaryCollection .

See Also

[BoundaryCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [BoundaryCollection.Add Overload List](#)

Common Help

BoundaryCollection.Add Method (Type, Type, Guid[])

Adds a boundary to the [BoundaryCollection](#) for the given containers.

```
public void Add(  
    Type filterableType,  
    Type containerType,  
    params Guid\[\] containers  
);
```

Parameters

filterableType

The filterable entity type of the boundary.

containerType

The filterable container type of the boundary.

containers

A list of [IIdentifiable](#) IDs to be added to the boundary.

Exceptions

Exception Type	Condition
ArgumentNullException	The <i>filterableType</i> cannot be null.
ArgumentNullException	The <i>containerType</i> cannot be null.

See Also

[BoundaryCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [BoundaryCollection.Add Overload List](#)

Common Help

BoundaryCollection.Copy Method

Returns a copy of the current [BoundaryCollection](#) instance.

```
public BoundaryCollection Copy();
```

Return Value

A copy of the current instance of the [BoundaryCollection](#) class.

See Also

[BoundaryCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

BoundaryCollection.CreateIgnoreFilteringCollection Method

Initializes a [BoundaryCollection](#) of all existing filters for a given *filterableType* where filtering is turned off.


```
public static BoundaryCollection CreateIgnoreFilteringCollection(  
    Type filterableType  
);
```

Parameters*filterableType*

The filterable entity type of the boundary.

Return ValueA BoundaryCollection where all of the boundaries are set to ignore filtering.**Remarks**

This method should be used when you wish to retrieve all entities regardless of filtering. By turning off filtering for every filter, it is possible to retrieve the entire set of filterable entities. Also note that for secure filters, you must also assert the **DataAccessPermission** permission before making the entity persistence request using the `DataAccessPermissionFlags.NoDataFiltering` flag for filtering to be turned off.

Exceptions

Exception Type	Condition
<u>ArgumentNullException</u>	The <i>filterableType</i> cannot be null.

See AlsoBoundaryCollection Class | Microsoft.Business.Common.OrganizationStructure Namespace*Common Help***BoundaryCollection.GetBoundary Method**

Gets the specified boundary from the collection.

```
public Boundary GetBoundary(  
    Type filterableType,  
    Type containerType  
);
```

Parameters*filterableType*

The filterable entity type of the boundary.

containerType

The filterable container type of the boundary.

Return ValueAn instance of the Boundary class if it is in the collection; null if not present.**Exceptions**

Exception Type	Condition
<u>ArgumentNullException</u>	The <i>filterableType</i> cannot be null.
<u>ArgumentNullException</u>	The <i>containerType</i> cannot be null.

See AlsoBoundaryCollection Class | Microsoft.Business.Common.OrganizationStructure Namespace*Common Help***BoundaryCollection.GetContainers Method**

Gets the containers of the specified boundary from the collection.

```
public GuidCollection GetContainers(  
    Type filterableType,  
    Type containerType  
);
```

Parameters*filterableType*

The filterable entity type of the boundary.

containerType

The filterable container type of the boundary.

Return Value

[GuidCollection](#) of containers for the specified boundary; null if not present.

Exceptions

Exception Type	Condition
ArgumentNullException	The <code>filterableType</code> cannot be null.
ArgumentNullException	The <code>containerType</code> cannot be null.

See Also

[BoundaryCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***BoundaryCollection.GetContainerTypes Method**

Returns a list of container types that are part of boundaries for the given filterable type.

```
public Type[] GetContainerTypes(  
    Type filterableType  
) {  
}
```

Parameters

filterableType
The filterable entity type of the boundary.

Return Value

A collection of container types that are part of the [BoundaryCollection](#) instance for the given filterable type.

Exceptions

Exception Type	Condition
ArgumentNullException	The <code>filterableType</code> cannot be null.

See Also

[BoundaryCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***BoundaryCollection.GetEnumerator Method**

Implementation of the [IEnumerable](#) interface.

```
public IEnumerator GetEnumerator() {  
}
```

Return Value

The enumerator of the [BoundaryCollection](#) instance.

Implements

[IEnumerable.GetEnumerator](#)

See Also

[BoundaryCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***BoundaryCollection.GetFilterableTypes Method**

Returns a list of filterable types that are part of boundaries for the given container type.

```
public Type[] GetFilterableTypes(  
    Type containerType  
) {  
}
```

Parameters

containerType
The container type of the boundary.

Return Value

A collection of filterable types that are part of the [BoundaryCollection](#) instance for the given container type.

Exceptions

Exception Type	Condition
ArgumentNullException	The <code>containerType</code> cannot be null.

See Also

[BoundaryCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***BoundaryCollection.IgnoreFiltering Method**

Sets a flag specifying whether or not filtering should be ignored for the given boundary.

```
public void IgnoreFiltering(  
    Type filterableType,  
    Type containerType,  
    bool isFilteringIgnored  
) ;
```

Parameters

filterableType

The filterable entity type of the boundary.

containerType

The filterable container type of the boundary.

isFilteringIgnored

Boolean specifying whether filtering should be ignored or not.

Remarks

If this method is called before the boundary exists in the collection, it will automatically add it to the collection. Also note that for secure filters, you must also assert the **DataAccessPermission** permission before making the entity persistence request using the `DataAccessPermissionFlags.NoDataFiltering` flag for filtering to be turned off.

Exceptions

Exception Type	Condition
ArgumentNullException	The <code>filterableType</code> cannot be null.
ArgumentNullException	The <code>containerType</code> cannot be null.

See Also

[BoundaryCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***BoundaryCollection.IsFilteringIgnored Method**

Gets a flag specifying whether or not filtering will be ignored for the given boundary.

```
public bool IsFilteringIgnored(  
    Type filterableType,  
    Type containerType  
) ;
```

Parameters

filterableType

The filterable entity type of the boundary.

containerType

The filterable container type of the boundary.

Return Value

True if filtering will be turned off for the given boundary; false otherwise.

Exceptions

Exception Type	Condition
ArgumentNullException	The <code>filterableType</code> cannot be null.
ArgumentNullException	The <code>containerType</code> cannot be null.

See Also

[BoundaryCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

BoundaryCollection.Merge Method

Merges the provided [BoundaryCollection](#) with the current instance.

```
public BoundaryCollection Merge(  
    BoundaryCollection boundaryCollection  
) {
```

Parameters

boundaryCollection

The [BoundaryCollection](#) to merge with the current instance.

Return Value

A [BoundaryCollection](#) instance that is a combination of the current instance and the provided [boundaryCollection](#).

Remarks

All boundaries in the provided [BoundaryCollection](#) that are not in the current instance will be added to the current instance. If both share the same boundary, the resulting containers of the boundary will be the superset of both and if filtering is ignored for either boundary, it will be ignored in the merged boundary.

See Also

[BoundaryCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***BoundaryCollection.Remove Method**

Removes the specified boundary from the collection.

Overload List

Removes the specified boundary from the collection.

```
public void Remove(Type, Type);
```

Removes the specified containers from a specific boundary in the collection.

```
public void Remove(Type, Type, params Guid[]);
```

See Also

[BoundaryCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***BoundaryCollection.Remove Method (Type, Type)**

Removes the specified boundary from the collection.

```
public void Remove(  
    Type filterableType,  
    Type containerType  
) {
```

Parameters

filterableType

The filterable entity type of the boundary.

containerType

The filterable container type of the boundary.

Exceptions

Exception Type	Condition
ArgumentNullException	The <i>filterableType</i> cannot be null.
ArgumentNullException	The <i>containerType</i> cannot be null.

See Also

[BoundaryCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [BoundaryCollection.Remove Overload List](#)

*Common Help***BoundaryCollection.Remove Method (Type, Type, Guid[])**

Removes the specified containers from a specific boundary in the collection.

```
public void Remove(  
    Type filterableType,
```

```

    Type containerType,
    params Guid[] containers
};

```

Parameters*filterableType*

The filterable entity type of the boundary.

containerType

The filterable container type of the boundary.

containers

A list of [IIdentifiable](#) IDs.

Exceptions

Exception Type	Condition
ArgumentNullException	The <i>filterableType</i> cannot be null.
ArgumentNullException	The <i>containerType</i> cannot be null.
ArgumentNullException	The <i>containers</i> cannot be null.

See Also

[BoundaryCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [BoundaryCollection.Remove Overload List](#)

*Common Help***BoundaryCollection.RemoveAll Method**

Removes all boundaries from the [BoundaryCollection](#) instance.

```
public void RemoveAll();
```

See Also

[BoundaryCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***BusinessUnit Class**

Represents a physical or logical part of an enterprise.

For a list of all members of this type, see [BusinessUnit Members](#).

[System.Object](#)[ServiceProvider](#)[Agent](#)[BusinessEntity](#)[BaseRoot](#)[IdentifiableRoot](#)[ReferenceDataRoot](#)[ConstituentRoleEntity](#)**BusinessUnit**

```
public class BusinessUnit : ConstituentRoleEntity, IComponentContainer
```

Remarks

BusinessUnit can represent a company, enterprise or any unit that exists within an enterprise.

Requirements


Namespace: [Microsoft.Business.Common.OrganizationStructure](#)


Assembly: Microsoft.Business.Common (in Microsoft.Business.Common.dll)

See Also



[BusinessUnit Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FunctionalCategory](#) | [CompanyOptions](#)

*Common Help***BusinessUnit Members**[BusinessUnit overview](#)**Public Static Methods**
























 GetDefault	Gets the default business unit.
--	---------------------------------

 SetDefault	Sets the default business unit.
---	---------------------------------

Public Instance Fields

















 batchMode (inherited from BaseRoot)
 saving (inherited from BaseRoot)

Public Instance Properties











 Active (inherited from ReferenceDataRoot)	
 Attachment	Gets or sets an attachment to the business unit.
 CompanyOptions	Gets or sets company specific properties of the business unit.
 Constituent (inherited from ConstituentRoleEntity)	A strong association from ConstituentRoleEntity to Constituent . Constituent is a Root entity, thus requires an association to it vs. inheritance of it. However, the association must be writeable.
 ConstituentRole (inherited from ConstituentRoleEntity)	The ConstituentRole that this entity represents.
 ConstituentType (inherited from ConstituentRoleEntity)	The type of Constituent this entity is associated to.
 CreatedDate (inherited from BaseRoot)	
 CreatedUserID (inherited from BaseRoot)	
 FunctionalCategory	Gets or sets the FunctionalCategory of the business unit.
 HasChanged (inherited from ConstituentRoleEntity)	A flag that represents whether the ConstituentRoleEntity or ConstituentRoleEntity 's Constituent has been changed since it was created/retrieved.
 HasChangedFlags (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 ID (inherited from IdentifiableRoot)	
 IsCompany	Checks if FunctionalCategory of the business unit matches predefined company category.
 IsNew (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IsReadOnly (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 LastModifiedDate (inherited from BaseRoot)	
 LastModifiedUserID (inherited from BaseRoot)	
 OriginalActive	Gets the value of Active at the time when BusinessUnit was loaded from data store.
 OriginalFunctionalCategory	Gets the value of " FunctionalCategory " at the time when business unit was loaded from data store.
 PropertyBindingManager (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 Status (inherited from ReferenceDataRoot)	
 ValidationInfo (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 VisibleID	Gets or sets a human readable identifier of the business unit.

Public Instance Methods

--

 <u>Create</u> (Inherited from BaseRoot)	
 <u>CreateChild</u> (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	Overloaded.
 <u>Equals</u> (Inherited from Object)	Determines whether the specified <u>Object</u> is equal to the current <u>Object</u> .
 <u>GetHashCode</u> (Inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 <u>GetKey</u>	
 <u>GetProperty</u> (Inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 <u>GetPropertyValidationState</u> (Inherited from BaseRoot)	
 <u>GetType</u> (Inherited from Object)	Gets the <u>Type</u> of the current instance.
 <u>IsActive</u> (Inherited from ReferenceDataRoot)	Overloaded.
 <u>IsValid</u> (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 <u>OnDeserialization</u> (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 <u>SetHasChanged</u> (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 <u>SetPropertyValidationState</u> (Inherited from BaseRoot)	Overloaded.
 <u>ToString</u>	Returns the visible id of the business unit.
 <u>Update</u> (Inherited from BaseRoot)	
 <u>Validate</u> (Inherited from BaseRoot)	


Public Instance Events

 <u>Created</u> (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 <u>Defaulting</u> (Inherited from Microsoft.BusinessFramework.Agent.Agent)
 <u>Deleted</u> (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 <u>Deleting</u> (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 <u>Found</u> (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 <u>Inserted</u> (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 <u>Inserting</u> (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 <u>ServiceDefaulting</u> (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 <u>ServiceValidating</u> (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 <u>Updated</u> (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)




 Updating (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 Validating (Inherited from **Microsoft.BusinessFramework.Agent.Agent**)




Protected Instance Constructors

 <u>BusinessUnit Constructor</u>	Initializes a new instance of the BusinessUnit class.
---	---















Protected Instance Fields










 <u>exceptions</u> (Inherited from BaseRoot)
 <u>InternalSet</u> (Inherited from BaseRoot)
 <u>touchedFlags</u> (Inherited from BaseRoot)

Protected Instance Properties

 <u>ServiceEventManager</u> (Inherited from Microsoft.BusinessFramework.Agent.Agent)
 <u>ShouldInitializeEventBroker</u> (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 <u>ShouldValidateProperties</u> (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)

Protected Instance Methods


 <u>Finalize</u> (Inherited from Object)	Allows an <u>Object</u> to attempt to free resources and perform other cleanup operations before the <u>Object</u> is reclaimed by garbage collection.
 <u>GetService</u> (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	Overloaded.
 <u>GetService</u> (Inherited from Microsoft.BusinessFramework.Agent.ServiceProvider)	Overloaded.
 <u>Initialize</u> (Inherited from ConstituentRoleEntity)	Creates a new <u>Constituent</u> based on the DefaultConstituentType property and associates to it.
 <u>InvokeDefaulting</u> (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 <u>InvokeValidating</u> (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 <u>MemberwiseClone</u> (Inherited from Object)	Creates a shallow copy of the current <u>Object</u> .
 <u>MergeConstituentAttributes</u> (Inherited from ConstituentRoleEntity)	Merges the given sourceConstituent's attributes into the ConstituentRoleEntity's <u>Constituent</u> attributes.
 <u>OnCreated</u>	
 <u>OnDefaulting</u> (Inherited from BaseRoot)	
 <u>OnDeleted</u> (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 <u>OnDeleting</u>	Checks if business unit is assigned to an <u>OrganizationTree</u> . If it is the business unit cannot be deleted.
 <u>OnFound</u>	
 <u>OnInserted</u> (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	

 OnInserting (inherited from ConstituentRoleEntity)	Attempts to save the <u>Constituent</u> associated to it.
 OnPropertyValueChanged (inherited from BaseRoot)	Overloaded.
 OnPropertyValueChanging (inherited from BaseRoot)	Overloaded.
 OnServiceDefaulting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnServiceValidating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnUpdated (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnUpdating	
 OnValidating	
 SetConstituent (inherited from ConstituentRoleEntity)	Set the <u>Constituent</u> "strong" association. Changes the association to writeable.



Protected Internal Instance Properties

 ValidationMode (inherited from Microsoft.BusinessFramework.Agent.Agent)
--











Protected Internal Instance Methods

 SetValidationMode (inherited from Microsoft.BusinessFramework.Agent.Agent)

Private Instance Properties

 Microsoft.BusinessFramework.IComponentContainer.ContainerKey
 Microsoft.BusinessFramework.IComponentContainer.Name

Explicit Interface Implementations

 IActivityConsumer.GetActivityContext (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IActivityConsumer.SetActivityContext (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IAgent.Defaulting (inherited from Microsoft.BusinessFramework.Agent.Agent)
 IAgent.SetPropertyBindingManager (inherited from Microsoft.BusinessFramework.Agent.Agent)
 IAgent.Validating (inherited from Microsoft.BusinessFramework.Agent.Agent)
 IEntity.Created (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IEntity.Deleted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IEntity.Deleting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IEntity.Found (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IEntity.Inserted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)

 IEntity.Inserting (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 IEntity.ServiceDefaulting (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 IEntity.SetKey (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 IEntity.Updated (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 IEntity.Updating (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

See Also

[BusinessUnit Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FunctionalCategory](#) | [CompanyOptions](#)

Common Help

BusinessUnit Constructor

Initializes a new instance of the BusinessUnit class.

```
protected BusinessUnit();
```

See Also















[BusinessUnit Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)










Common Help

BusinessUnit Properties




The properties of the **BusinessUnit** class are listed below. For a complete list of **BusinessUnit** class members, see the [BusinessUnit Members](#) topic.

Public Instance Properties


 Active (Inherited from ReferenceDataRoot)	
 Attachment	Gets or sets an attachment to the business unit.
 CompanyOptions	Gets or sets company specific properties of the business unit.
 Constituent (Inherited from ConstituentRoleEntity)	A strong association from ConstituentRoleEntity to Constituent . Constituent is a Root entity, thus requires an association to it vs. inheritance of it. However, the association must be writeable.
 ConstituentRole (Inherited from ConstituentRoleEntity)	The ConstituentRole that this entity represents.
 ConstituentType (Inherited from ConstituentRoleEntity)	The type of Constituent this entity is associated to.
 CreatedDate (Inherited from BaseRoot)	
 CreatedUserID (Inherited from BaseRoot)	
 FunctionalCategory	Gets or sets the FunctionalCategory of the business unit.
 HasChanged (Inherited from ConstituentRoleEntity)	A flag that represents whether the ConstituentRoleEntity or ConstituentRoleEntity's Constituent has been changed since it was created/retrieved.
 HasChangedFlags (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 ID (Inherited from IdentifiableRoot)	
 IsCompany	Checks if FunctionalCategory of the business unit matches predefined company category.
 IsNew (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	

 IsReadOnly (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 LastModifiedDate (Inherited from BaseRoot)	
 LastModifiedUserID (Inherited from BaseRoot)	
 OriginalActive	Gets the value of Active at the time when BusinessUnit was loaded from data store.
 OriginalFunctionalCategory	Gets the value of " FunctionalCategory " at the time when business unit was loaded from data store.
 PropertyBindingManager (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 Status (Inherited from ReferenceDataRoot)	
 ValidationInfo (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 VisibleID	Gets or sets a human readable identifier of the business unit.



Protected Instance Properties

 ServiceEventManager (Inherited from Microsoft.BusinessFramework.Agent.Agent)
 ShouldInitializeEventBroker (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 ShouldValidateProperties (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)

Protected Internal Instance Properties

 ValidationMode (Inherited from Microsoft.BusinessFramework.Agent.Agent)
--

Private Instance Properties

 <u>Microsoft.BusinessFramework.IComponentContainer.ContainerKey</u>
 <u>Microsoft.BusinessFramework.IComponentContainer.Name</u>

See Also

[BusinessUnit Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FunctionalCategory](#) | [CompanyOptions](#)

*Common Help***BusinessUnit.Attachment Property**

Gets or sets an attachment to the business unit.

```
public Microsoft.Business.Common.Attachment Attachment {get; set;}
```

See Also

[BusinessUnit Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***BusinessUnit.CompanyOptions Property**

Gets or sets company specific properties of the business unit.

```
public CompanyOptions CompanyOptions {get; set;}
```

Remarks

Only valid if **FunctionalCategory** of the business unit is set to **FunctionalCategory.Company**.

Exceptions

Exception Type	Condition
InvalidOperationException	Thrown by the setter if <code>CompanyOptions</code> property is being set and business unit is not a company. Thrown by the setter if <code>CompanyOptions</code> property is being cleared and business unit is a company.

See Also

[BusinessUnit Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***BusinessUnit.FunctionalCategory Property**

Gets or sets the [FunctionalCategory](#) of the business unit.

```
public FunctionalCategory FunctionalCategory {get; set;}
```

See Also

[BusinessUnit Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***BusinessUnit.IsCompany Property**

Checks if [FunctionalCategory](#) of the business unit matches predefined company category.

```
public bool IsCompany {get;}
```

See Also

[BusinessUnit Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***BusinessUnit.Microsoft.BusinessFramework.IComponentContainer.ContainerKey Property**

```
private Microsoft.BusinessFramework.IKey Microsoft.BusinessFramework.IComponentContainer.ContainerKey {get;}
```

See Also

[BusinessUnit Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***BusinessUnit.Microsoft.BusinessFramework.IComponentContainer.Name Property**

```
private string Microsoft.BusinessFramework.IComponentContainer.Name {get;}
```

See Also

[BusinessUnit Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***BusinessUnit.OriginalActive Property**

Gets the value of `Active` at the time when `BusinessUnit` was loaded from data store.

```
public Microsoft.Business.Common.ActiveStatus OriginalActive {get;}
```

See Also

[BusinessUnit Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***BusinessUnit.OriginalFunctionalCategory Property**

Gets the value of "`FunctionalCategory`" at the time when business unit was loaded from data store.

```
public FunctionalCategory OriginalFunctionalCategory {get;}
```

See Also

[BusinessUnit Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***BusinessUnit.VisibleID Property**

Gets or sets a human readable identifier of the business unit.

```
public string VisibleID {get; set;}
```

Exceptions

Exception Type	Condition
EntityInvalidException	Thrown by the setter if another business unit with this <code>VisibleID</code> already exists.

See Also



[BusinessUnit Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

















BusinessUnit Methods

The methods of the **BusinessUnit** class are listed below. For a complete list of **BusinessUnit** class members, see the [BusinessUnit Members](#) topic.


Public Static Methods























 GetDefault	Gets the default business unit.
 SetDefault	Sets the default business unit.

Public Instance Methods

 Create (inherited from BaseRoot)	
 CreateChild (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	Overloaded.
 Equals (inherited from Object)	Determines whether the specified <u>Object</u> is equal to the current <u>Object</u> .
 GetHashCode (inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 GetKey	
 GetProperty (inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 GetPropertyValidationState (inherited from BaseRoot)	
 GetType (inherited from Object)	Gets the <u>Type</u> of the current instance.
 IsActive (inherited from ReferenceDataRoot)	Overloaded.
 IsValid (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 OnDeserialization (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 SetHasChanged (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 SetPropertyValidationState (inherited from BaseRoot)	Overloaded.
 ToString	Returns the visible id of the business unit.
 Update (inherited from BaseRoot)	
 Validate (inherited from BaseRoot)	

Protected Instance Methods



 Finalize (inherited from Object)	Allows an <u>Object</u> to attempt to free resources and perform other cleanup operations before the <u>Object</u> is reclaimed by
--	--














	garbage collection.
 GetService (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	Overloaded.
 GetService (Inherited from Microsoft.BusinessFramework.Agent.ServiceProvider)	Overloaded.
 Initialize (Inherited from ConstituentRoleEntity)	Creates a new <u>Constituent</u> based on the DefaultConstituentType property and associates to it.
 InvokeDefaulting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 InvokeValidating (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 MemberwiseClone (Inherited from Object)	Creates a shallow copy of the current <u>Object</u> .
 MergeConstituentAttributes (Inherited from ConstituentRoleEntity)	Merges the given sourceConstituent's attributes into the ConstituentRoleEntity's <u>Constituent</u> attributes.
 OnCreated	
 OnDefaulting (Inherited from BaseRoot)	
 OnDeleted (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnDeleting	Checks if business unit is assigned to an <u>OrganizationTree</u> . If it is the business unit cannot be deleted.
 OnFound	
 OnInserted (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnInserting (Inherited from ConstituentRoleEntity)	Attempts to save the <u>Constituent</u> associated to it.
 OnPropertyValueChanged (Inherited from BaseRoot)	Overloaded.
 OnPropertyValueChanging (Inherited from BaseRoot)	Overloaded.
 OnServiceDefaulting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnServiceValidating (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnUpdated (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnUpdating	
 OnValidating	
 SetConstituent (Inherited from ConstituentRoleEntity)	Set the <u>Constituent</u> "strong" association. Changes the association to writeable.

Protected Internal Instance Methods

 SetValidationMode (Inherited from Microsoft.BusinessFramework.Agent.Agent)

Explicit Interface Implementations

 IActivityConsumer.GetActivityContext (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IActivityConsumer.SetActivityContext (Inherited from

Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IAgent.Defaulting (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 IAgent.SetPropertyBindingManager (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 IAgent.Validating (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 IEntity.Created (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Deleted (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Deleting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Found (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Inserted (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Inserting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.ServiceDefaulting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.SetKey (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Updated (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Updating (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	

See Also

[BusinessUnit Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FunctionalCategory](#) | [CompanyOptions](#)

*Common Help***BusinessUnit.GetDefault Method**

Gets the default business unit.

```
public static Key GetDefault(
    FilterLevel level
);
```

Parameters

level
Level of a default business unit.

Return Value

Key of the default business unit.

See Also

[BusinessUnit Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***BusinessUnit.GetKey Method**

```
new public Key GetKey();
```

See Also

[BusinessUnit Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

BusinessUnit.OnCreated Method

```
protected override void OnCreated(  
    EntityEventArgs args  
);
```

See Also

[BusinessUnit Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

BusinessUnit.OnDeleting Method

Checks if business unit is assigned to an [OrganizationTree](#). If it is the business unit cannot be deleted.

```
protected override void OnDeleting(  
    EntityEventArgs args  
);
```

Parameters

args

The argument parameters passed to the event.

See Also

[BusinessUnit Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

BusinessUnit.OnFound Method

```
protected override void OnFound(  
    EntityEventArgs args  
);
```

See Also

[BusinessUnit Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

BusinessUnit.OnUpdating Method

```
protected override void OnUpdating(  
    EntityEventArgs args  
);
```

See Also

[BusinessUnit Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

BusinessUnit.OnValidating Method

```
protected override void OnValidating(  
    ValidationEventArgs args  
);
```

See Also

[BusinessUnit Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

BusinessUnit.SetDefault Method

Sets the default business unit.

```
public static void SetDefault(  
    FilterLevel level,  
    Key value  
);
```

Parameters

level

Level of a default business unit.

value

Key of a default business unit.

See Also

[BusinessUnit Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

BusinessUnit.ToString Method

Returns the visible Id of the business unit.

```
public override string ToString();
```

Return Value

Visible Id of the business unit.

See Also

[BusinessUnit Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

BusinessUnit.Key Class

EntityKey class for BusinessUnit.

For a list of all members of this type, see [BusinessUnit.Key Members](#).

[System.Object](#)

[ClassKey](#)

[EntityKey](#)

[Key](#)

[Key](#)

[Key](#)

[Key](#)

BusinessUnit.Key

```
new public class BusinessUnit.Key : Key
```

Requirements

Namespace: [Microsoft.Business.Common.OrganizationStructure](#)

Assembly: Microsoft.Business.Common (in Microsoft.Business.Common.dll)

See Also

[BusinessUnit.Key Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

BusinessUnit.Key Members

[BusinessUnit.Key overview](#)

Public Instance Properties

 **ClassType** (inherited from **Microsoft.BusinessFramework.Entity.EntityKey**)

 **ID** (inherited from **Microsoft.Business.Common.IdentifiableRoot+Key**)

 **IsEntityCached** (inherited from **Microsoft.BusinessFramework.Entity.EntityKey**)

 **IsEntityReadOnly** (inherited from **Microsoft.BusinessFramework.Entity.EntityKey**)











 **IsEntitySerializable** (inherited from **Microsoft.BusinessFramework.Entity.EntityKey**)

 **Options** (inherited from **Microsoft.BusinessFramework.Entity.EntityKey**)


 **Parent** (inherited from **Microsoft.BusinessFramework.ClassKey**)

 Properties (Inherited from **Microsoft.BusinessFramework.ClassKey**)

Public Instance Methods

 Clone (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	Overloaded.
 CopyFromEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 CopyToEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 Equals (Inherited from Microsoft.BusinessFramework.ClassKey)	
 GetEntity	
 GetGuid (Inherited from Microsoft.BusinessFramework.ClassKey)	
 GetHashCode (Inherited from Microsoft.BusinessFramework.ClassKey)	Gets the <u>Type</u> of the current instance.
 GetType (Inherited from Object)	
 ReleaseEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	Overloaded.
 ToString (Inherited from Microsoft.BusinessFramework.ClassKey)	






Protected Instance Constructors

 <u>BusinessUnit.Key</u>	Overloaded. Initializes a new instance of the BusinessUnit.Key class.
---	---


Protected Instance Properties

 CanCacheValues (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
--	--


Protected Instance Methods





 Finalize (Inherited from Object)	Allows an <u>Object</u> to attempt to free resources and perform other cleanup operations before the <u>Object</u> is reclaimed by garbage collection.
 MemberwiseClone (Inherited from Object)	Creates a shallow copy of the current <u>Object</u> .
 SetParent (Inherited from Microsoft.BusinessFramework.ClassKey)	
 SetType (Inherited from Microsoft.BusinessFramework.ClassKey)	
 ShouldFixUpContainmentHierarchy (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	

Protected Internal Instance Constructors

 <u>BusinessUnit.Key</u>	Overloaded. Initializes a new instance of the BusinessUnit.Key class.
---	---

Explicit Interface Implementations

 IActivityConsumer.GetActivityContext (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
--	--

 IActivityConsumer.SetActivityContext (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 IDeserializationCallback.OnDeserialization (Inherited from Microsoft.BusinessFramework.ClassKey)	
 IInternalKey.SetEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 IInternalKey.SetParent (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	

See Also

[BusinessUnit.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***BusinessUnit.Key Constructor**

Initializes a new instance of the Key class.

Overload List

Initializes a new instance of the Key class.

[protected BusinessUnit.Key\(\);](#)

[protected Internal BusinessUnit.Key\(Guid, IKey\);](#)

See Also

[BusinessUnit.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***BusinessUnit.Key Constructor ()**

Initializes a new instance of the Key class.

```
protected BusinessUnit.Key();
```

See Also

[BusinessUnit.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [BusinessUnit.Key Constructor Overload List](#)

*Common Help***BusinessUnit.Key Constructor (Guid, IKey)**

```
protected internal BusinessUnit.Key(
    Guid id,
    IKey parent
);
```





See Also







[BusinessUnit.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [BusinessUnit.Key Constructor Overload List](#)

*Common Help***BusinessUnit.Key Methods**






The methods of the **BusinessUnit.Key** class are listed below. For a complete list of **BusinessUnit.Key** class members, see the [BusinessUnit.Key Members](#) topic.

Public Instance Methods






 Clone (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	Overloaded.
 CopyFromEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 CopyToEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 Equals (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	

Microsoft.BusinessFramework.ClassKey)	
 GetEntity	
 GetGuid (Inherited from Microsoft.BusinessFramework.ClassKey)	
 GetHashCode (Inherited from Microsoft.BusinessFramework.ClassKey)	
 GetType (Inherited from Object)	Gets the Type of the current instance.
 ReleaseEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 ToString (Inherited from Microsoft.BusinessFramework.ClassKey)	Overloaded.

Protected Instance Methods

 Finalize (Inherited from Object)	Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection.
 MemberwiseClone (Inherited from Object)	Creates a shallow copy of the current Object .
 SetParent (Inherited from Microsoft.BusinessFramework.ClassKey)	
 SetType (Inherited from Microsoft.BusinessFramework.ClassKey)	
 ShouldFixUpContainmentHierarchy (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	

Explicit Interface Implementations

 IActivityConsumer.GetActivityContext (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IActivityConsumer.SetActivityContext (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IDeserializationCallback.OnDeserialization (Inherited from Microsoft.BusinessFramework.ClassKey)
 IInternalKey.SetEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IInternalKey.SetParent (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)

See Also

[BusinessUnit.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***BusinessUnit.Key.GetEntity Method**

```
new public BusinessUnit GetEntity();
```

See Also

[BusinessUnit.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***BusinessUnitVirtualCollection Class**

Entity VirtualCollection for BusinessUnit.

For a list of all members of this type, see [BusinessUnitVirtualCollection Members](#).

[System.Object](#)

[ServiceProvider](#)
[EntityVirtualCollection](#)
[BaseRootVirtualCollection](#)
[IdentifiableRootVirtualCollection](#)
[ReferenceDataRootVirtualCollection](#)
[ConstituentRoleEntityVirtualCollection](#)
BusinessUnitVirtualCollection

```
public class BusinessUnitVirtualCollection : ConstituentRoleEntityVirtualCollection
```

Requirements

Namespace: [Microsoft.Business.Common.OrganizationStructure](#)

Assembly: Microsoft.Business.Common (in Microsoft.Business.Common.dll)

See Also


[BusinessUnitVirtualCollection Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help


BusinessUnitVirtualCollection Members

[BusinessUnitVirtualCollection overview](#)











Public Static Methods

 IsUniqueVisibleID	Checks if the <code>VisibleID</code> of a business unit is already exists on another business unit.
---	---



Public Instance Constructors




















 BusinessUnitVirtualCollection	Overloaded. Initializes a new instance of the <code>BusinessUnitVirtualCollection</code> class.
---	---

Public Instance Properties







 CollectionOptions (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 CreateOptions (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 DataLocationPolicy (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 EntityClassName (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 EntityType (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 FilterOptions (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 FindOptions (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 ParentKey (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 SecurityOptions (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 TransactionOptions (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)




Public Instance Methods

 Abort (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 ClearCache (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	


 Create (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 Create	Overloaded.
 CreateByConstituent (Inherited from ConstituentRoleEntityVirtualCollection)	Creates a new <u>ConstituentRoleEntity</u> and associates it to the given <u>Constituent</u> .
 Delete (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 DeleteAll (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 DeleteByID	
 Equals (Inherited from Object)	Determines whether the specified <u>Object</u> is equal to the current <u>Object</u> .
 Find (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 Find	Overloaded.
 FindAll (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 FindAllWithBlock (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 FindByConstituentID (Inherited from ConstituentRoleEntityVirtualCollection)	Returns a <u>ConstituentRoleEntity</u> for the given <u>ConstituentID</u> .
 FindByFunctionalCategory	Overloaded. Finds all business units with specified functional category.
 FindByID	
 FindByVisibleID	Finds a business unit with a specified <u>VisibleID</u>
 GetHashCode (Inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 GetType (Inherited from Object)	Gets the <u>Type</u> of the current instance.
 Save (Inherited from BaseRootVirtualCollection)	
 ToString (Inherited from Object)	Returns a <u>String</u> that represents the current <u>Object</u> .

Protected Instance Methods

 CanCreate (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 CanDelete (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 CanSave (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 Finalize (Inherited from Object)	Allows an <u>Object</u> to attempt to free resources and perform other cleanup operations before the <u>Object</u> is reclaimed by garbage collection.
 GetService (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 GetService (Inherited from Microsoft.BusinessFramework.Agent.ServiceProvider)	Overloaded.

 MemberwiseClone (inherited from Object)	Creates a shallow copy of the current Object .
 VerifyEntity (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 VerifyKey (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	

Protected Internal Instance Methods

 OnGetEntity (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
--	--

Explicit Interface Implementations

 IdentifiableFinder.FindByID (inherited from IdentifiableRootVirtualCollection)	
---	--

See Also

[BusinessUnitVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***BusinessUnitVirtualCollection Constructor**

Initializes a new instance of the BusinessUnitVirtualCollection class.

Overload List

Initializes a new Instance of the BusinessUnitVirtualCollection class.

```
public BusinessUnitVirtualCollection();
public BusinessUnitVirtualCollection(IKey);
```

See Also

[BusinessUnitVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***BusinessUnitVirtualCollection Constructor ()**

Initializes a new Instance of the BusinessUnitVirtualCollection class.

```
public BusinessUnitVirtualCollection();
```

See Also

[BusinessUnitVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [BusinessUnitVirtualCollection Constructor Overload List](#)

*Common Help***BusinessUnitVirtualCollection Constructor (IKey)**

```
public BusinessUnitVirtualCollection(
    IKey parentKey
);
```


See Also

[BusinessUnitVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [BusinessUnitVirtualCollection Constructor Overload List](#)

*Common Help***BusinessUnitVirtualCollection Methods**






















The methods of the **BusinessUnitVirtualCollection** class are listed below. For a complete list of **BusinessUnitVirtualCollection** class members, see the [BusinessUnitVirtualCollection Members](#) topic.

Public Static Methods





 IsUniqueVisibleID	Checks if the visibleID of a business unit is already exists on another business unit.
--	---






Public Instance Methods

	Overloaded.
--	-------------


 Abort (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 ClearCache (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 Create (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 Create	Overloaded.
 CreateByConstituent (Inherited from ConstituentRoleEntityVirtualCollection)	Creates a new <u>ConstituentRoleEntity</u> and associates it to the given <u>Constituent</u> .
 Delete (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 DeleteAll (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 DeleteByID	
 Equals (Inherited from Object)	Determines whether the specified <u>Object</u> is equal to the current <u>Object</u> .
 Find (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 Find	Overloaded.
 FindAll (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 FindAllWithBlock (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 FindByConstituentID (Inherited from ConstituentRoleEntityVirtualCollection)	Returns a <u>ConstituentRoleEntity</u> for the given <u>ConstituentID</u> .
 FindByFunctionalCategory	Overloaded. Finds all business units with specified functional category.
 FindByID	
 FindByVisibleID	Finds a business unit with a specified <u>VisibleID</u>
 GetHashCode (Inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 GetType (Inherited from Object)	Gets the <u>Type</u> of the current instance.
 Save (Inherited from BaseRootVirtualCollection)	
 ToString (Inherited from Object)	Returns a <u>String</u> that represents the current <u>Object</u> .

Protected Instance Methods


 CanCreate (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 CanDelete (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 CanSave (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 Finalize (Inherited from Object)	Allows an <u>Object</u> to attempt to free resources and perform other cleanup operations before the <u>Object</u> is reclaimed by garbage collection.

 GetService (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 GetService (Inherited from Microsoft.BusinessFramework.Agent.ServiceProvider)	Overloaded.
 MemberwiseClone (Inherited from Object)	Creates a shallow copy of the current Object .
 VerifyEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 VerifyKey (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	

Protected Internal Instance Methods

 OnGetEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
--

Explicit Interface Implementations

 IIdeifiableFinder.FindByID (Inherited from IdetifiableRootVirtualCollection)

See Also

[BusinessUnitVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***BusinessUnitVirtualCollection.Create Method****Overload List**

[new public BusinessUnit Create\(\);](#)

Inherited from [EntityVirtualCollection](#).

[public virtual IEntity Create\(EntityKey\);](#)

See Also

[BusinessUnitVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***BusinessUnitVirtualCollection.Create Method ()**

```
new public BusinessUnit Create();
```

See Also

[BusinessUnitVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [BusinessUnitVirtualCollection.Create Overload List](#)

*Common Help***BusinessUnitVirtualCollection.DeleteByID Method**

```
new public void DeleteByID(
    Guid id
);
```

See Also

[BusinessUnitVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***BusinessUnitVirtualCollection.Find Method****Overload List**

[new public BusinessUnit Find\(EntityCriteria\);](#)

Inherited from [EntityVirtualCollection](#).

[public virtual IEntity Find\(WhereExpression\);](#)

See Also

[BusinessUnitVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

BusinessUnitVirtualCollection.Find Method (EntityCriteria)

```
new public BusinessUnit Find(
    EntityCriteria criteria
);
```

See Also

[BusinessUnitVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [BusinessUnitVirtualCollection.Find Overload List](#)

Common Help

BusinessUnitVirtualCollection.FindByFunctionalCategory Method

Finds all business units with specified functional category.

Overload List

Finds all business units with specified functional category.

```
public ArrayList FindByFunctionalCategory(Guid);
```

Finds all business units with specified functional category.

```
public ArrayList FindByFunctionalCategory(string);
```

See Also

[BusinessUnitVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

BusinessUnitVirtualCollection.FindByFunctionalCategory Method (Guid)

Finds all business units with specified functional category.

```
public ArrayList FindByFunctionalCategory(
    Guid functionalCategoryID
);
```

Parameters

functionalCategoryID

An ID of functional category on a business unit

Return Value

All business units with the specified functional category

See Also

[BusinessUnitVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [BusinessUnitVirtualCollection.FindByFunctionalCategory Overload List](#)

Common Help

BusinessUnitVirtualCollection.FindByFunctionalCategory Method (String)

Finds all business units with specified functional category.

```
public ArrayList FindByFunctionalCategory(
    string functionalCategoryVisibleID
);
```

Parameters

functionalCategoryVisibleID

A VisibleID of functional category on a business unit

Return Value

All business units with the specified functional category

See Also

[BusinessUnitVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [BusinessUnitVirtualCollection.FindByFunctionalCategory Overload List](#)

Common Help

BusinessUnitVirtualCollection.FindByID Method

```
new public BusinessUnit FindByID(
    Guid id
);
```

See Also

[BusinessUnitVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***BusinessUnitVirtualCollection.FindByVisibleID Method**

Finds a business unit with a specified VisibleID

```
public BusinessUnit FindByVisibleID(
    string visibleID
);
```

Parameters

visibleID
VisibleID of the seeking business unit

Return Value**See Also**

[BusinessUnitVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***BusinessUnitVirtualCollection.IsUniqueVisibleID Method**

Checks if the VisibleID of a business unit is already exists on another business unit.

```
public static bool IsUniqueVisibleID(
    string visibleID
);
```

Parameters

visibleID
VisibleID of a business unit

Return Value

True if there is another business unit with the same VisibleID; otherwise false.

See Also

[BusinessUnitVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***CompanyOptions Class**

All properties of [BusinessUnit](#) applicable only for company.

For a list of all members of this type, see [CompanyOptions Members](#).

[System.Object](#)
[ServiceProvider](#)
[Agent](#)
[BusinessEntity](#)
CompanyOptions

```
public class CompanyOptions : BusinessEntity
```

Remarks**Requirements**

Namespace: [Microsoft.Business.Common.OrganizationStructure](#)

Assembly: Microsoft.Business.Common (In Microsoft.Business.Common.dll)










See Also

[CompanyOptions Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [BusinessUnit](#) | [FunctionalCategory](#)











*Common Help***CompanyOptions Members**

[CompanyOptions overview](#)






Public Instance Properties








 <u>FunctionalCurrency</u>	Gets or sets functional currency of the <u>BusinessUnit</u> .
 HasChanged (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 HasChangedFlags (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 IsNew (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IsReadOnly (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 PropertyBindingManager (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 <u>RateType</u>	Gets or sets rate type of the <u>BusinessUnit</u> .
 <u>SecondaryCurrency</u>	Gets or sets secondary currency of the <u>BusinessUnit</u> .
 ValidationInfo (inherited from Microsoft.BusinessFramework.Agent.Agent)	

Public Instance Methods


 CreateChild (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	Overloaded.
 <u>Equals</u> (inherited from Object)	Determines whether the specified <u>Object</u> is equal to the current <u>Object</u> .
 <u>GetHashCode</u> (inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 <u>GetKey</u>	Overloaded.
 <u>GetProperty</u> (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 <u>GetType</u> (inherited from Object)	Gets the <u>Type</u> of the current instance.
 <u>IsValid</u> (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 <u>OnDeserialization</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 <u>SetHasChanged</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 <u>ToString</u> (inherited from Object)	

Public Instance Events




 Created (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 Defaulting (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 Deleted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 Deleting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 Found (inherited from	

Microsoft.BusinessFramework.Entity.BusinessEntity)	
 Inserted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 Inserting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 ServiceDefaulting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 ServiceValidating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 Updated (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 Updating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 Validating (inherited from Microsoft.BusinessFramework.Agent.Agent)	











Protected Instance Constructors











 <u>CompanyOptions</u> Constructor	Initializes a new instance of the CompanyOptions class.
---	---

Protected Instance Properties


 ServiceEventManager (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 ShouldInitializeEventBroker (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 ShouldValidateProperties (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	

Protected Instance Methods

 <u>Finalize</u> (inherited from Object)	Allows an <u>Object</u> to attempt to free resources and perform other cleanup operations before the <u>Object</u> is reclaimed by garbage collection.
 <u>GetService</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	Overloaded.
 <u>GetService</u> (inherited from Microsoft.BusinessFramework.Agent.ServiceProvider)	Overloaded.
 <u>InvokeDefaulting</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 <u>InvokeValidating</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 <u>MemberwiseClone</u> (inherited from Object)	Creates a shallow copy of the current <u>Object</u> .
 <u>OnCreated</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 <u>OnDefaulting</u> (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 <u>OnDeleted</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 <u>OnDeleting</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	

 OnFound (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnInserted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnInserting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnPropertyValueChanged (inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 OnPropertyValueChanging (inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 OnServiceDefaulting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnServiceValidating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnUpdated (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnUpdating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnValidating (inherited from Microsoft.BusinessFramework.Agent.Agent)	










Protected Internal Instance Properties







 ValidationMode (inherited from Microsoft.BusinessFramework.Agent.Agent)
--

Protected Internal Instance Methods

 SetValidationMode (inherited from Microsoft.BusinessFramework.Agent.Agent)
--

Explicit Interface Implementations

 IActivityConsumer.GetActivityContext (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IActivityConsumer.SetActivityContext (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IAgent.Defaulting (inherited from Microsoft.BusinessFramework.Agent.Agent)
 IAgent.SetPropertyBindingManager (inherited from Microsoft.BusinessFramework.Agent.Agent)
 IAgent.Validating (inherited from Microsoft.BusinessFramework.Agent.Agent)
 IEntity.Created (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IEntity.Deleted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IEntity.Deleting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IEntity.Found (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)

 IEntity.Inserted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Inserting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.ServiceDefaulting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.SetKey (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Updated (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Updating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	

See Also

[CompanyOptions Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [BusinessUnit](#) | [FunctionalCategory](#)

*Common Help***CompanyOptions Constructor**

Initializes a new instance of the CompanyOptions class.

```
protected CompanyOptions();
```










See Also

[CompanyOptions Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)



*Common Help***CompanyOptions Properties**

The properties of the **CompanyOptions** class are listed below. For a complete list of **CompanyOptions** class members, see the [CompanyOptions Members](#) topic.


Public Instance Properties

 FunctionalCurrency	Gets or sets functional currency of the BusinessUnit .
 HasChanged (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 HasChangedFlags (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 IsNew (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IsReadOnly (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 PropertyBindingManager (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 RateType	Gets or sets rate type of the BusinessUnit .
 SecondaryCurrency	Gets or sets secondary currency of the BusinessUnit .
 ValidationInfo (inherited from Microsoft.BusinessFramework.Agent.Agent)	

Protected Instance Properties

 ServiceEventManager (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 ShouldInitializeEventBroker (inherited from Microsoft.BusinessFramework.Agent.Agent)	

Microsoft.BusinessFramework.Entity.BusinessEntity)	
---	--

 ShouldValidateProperties (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)

Protected Internal Instance Properties

 ValidationMode (inherited from Microsoft.BusinessFramework.Agent.Agent)

See Also

[CompanyOptions Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [BusinessUnit](#) | [FunctionalCategory](#)

*Common Help***CompanyOptions.FunctionalCurrency Property**

Gets or sets functional currency of the [BusinessUnit](#).

```
public Microsoft.Business.Common.Currency FunctionalCurrency {get; set;}
```

See Also

[CompanyOptions Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***CompanyOptions.RateType Property**

Gets or sets rate type of the [BusinessUnit](#).

```
public Microsoft.Business.Common.RateType RateType {get; set;}
```

See Also

[CompanyOptions Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***CompanyOptions.SecondaryCurrency Property**

Gets or sets secondary currency of the [BusinessUnit](#).

```
public Microsoft.Business.Common.Currency SecondaryCurrency {get; set;}
```








See Also

[CompanyOptions Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***CompanyOptions Methods**

The methods of the **CompanyOptions** class are listed below. For a complete list of **CompanyOptions** class members, see the [CompanyOptions Members](#) topic.

Public Instance Methods

 CreateChild (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	Overloaded.
 Equals (inherited from Object)	Determines whether the specified Object is equal to the current Object .
 GetHashCode (inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 GetKey	
 GetProperty (inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 GetType (inherited from Object)	Gets the Type of the current instance.
 IsValid (inherited from Microsoft.BusinessFramework.Agent.Agent)	

◆ OnDeserialization (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
◆ SetHasChanged (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
◆ ToString (inherited from Object)	Returns a <u>String</u> that represents the current <u>Object</u> .

Protected Instance Methods

◆ Finalize (inherited from Object)	Allows an <u>Object</u> to attempt to free resources and perform other cleanup operations before the <u>Object</u> is reclaimed by garbage collection.
◆ GetService (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	Overloaded.
◆ GetService (inherited from Microsoft.BusinessFramework.Agent.ServiceProvider)	Overloaded.
◆ InvokeDefaulting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
◆ InvokeValidating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
◆ MemberwiseClone (inherited from Object)	Creates a shallow copy of the current <u>Object</u> .
◆ OnCreated (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
◆ OnDefaulting (inherited from Microsoft.BusinessFramework.Agent.Agent)	
◆ OnDeleted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
◆ OnDeleting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
◆ OnFound (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
◆ OnInserted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
◆ OnInserting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
◆ OnPropertyValueChanged (inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
◆ OnPropertyValueChanging (inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
◆ OnServiceDefaulting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
◆ OnServiceValidating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
◆ OnUpdated (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
◆ OnUpdating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
◆ OnValidating (inherited from Microsoft.BusinessFramework.Agent.Agent)	

Protected Internal Instance Methods

  SetValidationMode (Inherited from **Microsoft.BusinessFramework.Agent.Agent**)

Explicit Interface Implementations

  IActivityConsumer.GetActivityContext (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

  IActivityConsumer.SetActivityContext (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

  IAgent.Defaulting (Inherited from **Microsoft.BusinessFramework.Agent.Agent**)

  IAgent.SetPropertyBindingManager (Inherited from **Microsoft.BusinessFramework.Agent.Agent**)

  IAgent.Validating (Inherited from **Microsoft.BusinessFramework.Agent.Agent**)

  IEntity.Created (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)



  IEntity.Deleted (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

  IEntity.Deleting (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

  IEntity.Found (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

  IEntity.Inserted (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

  IEntity.Inserting (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

  IEntity.ServiceDefaulting (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

  IEntity.SetKey (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

  IEntity.Updated (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

  IEntity.Updating (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

See Also

[CompanyOptions Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [BusinessUnit](#) | [FunctionalCategory](#)

*Common Help***CompanyOptions.GetKey Method**

```
new public Key GetKey();
```

See Also

[CompanyOptions Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***CompanyOptions.Key Class**








EntityKey class for CompanyOptions.

For a list of all members of this type, see [CompanyOptions.Key Members](#).











[System.Object](#)[ClassKey](#)[EntityKey](#)**CompanyOptions.Key**

```
public class CompanyOptions.Key : EntityKey
```

Requirements**Namespace:** [Microsoft.Business.Common.OrganizationStructure](#)**Assembly:** Microsoft.Business.Common (in Microsoft.Business.Common.dll)**See Also**[CompanyOptions.Key Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)[Common Help](#)**CompanyOptions.Key Members**[CompanyOptions.Key overview](#)**Public Instance Properties**


 ClassType (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IsEntityCached (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IsEntityReadOnly (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IsEntitySerializable (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 Options (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 Parent (inherited from Microsoft.BusinessFramework.ClassKey)
 Properties (inherited from Microsoft.BusinessFramework.ClassKey)

Public Instance Methods

 Clone (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	Overloaded.
 CopyFromEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 CopyToEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 Equals (inherited from Microsoft.BusinessFramework.ClassKey)	
 GetEntity	
 GetGuid (inherited from Microsoft.BusinessFramework.ClassKey)	
 GetHashCode (inherited from Microsoft.BusinessFramework.ClassKey)	
 GetType (inherited from Object)	Gets the Type of the current instance.
 ReleaseEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 ToString (inherited from Object)	Overloaded.

Microsoft.BusinessFramework.ClassKey)	
--	--






Protected Instance Constructors

 CompanyOptions.Key	Overloaded. Initializes a new instance of the CompanyOptions.Key class.
---	---

Protected Instance Properties

 CanCacheValues (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)
--






Protected Instance Methods

 Finalize (Inherited from Object)	Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection.
 MemberwiseClone (Inherited from Object)	Creates a shallow copy of the current Object .
 SetParent (Inherited from Microsoft.BusinessFramework.ClassKey)	
 SetType (Inherited from Microsoft.BusinessFramework.ClassKey)	
 ShouldFixUpContainmentHierarchy (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	

Protected Internal Instance Constructors

 CompanyOptions.Key	Overloaded. Initializes a new instance of the CompanyOptions.Key class.
---	---

Explicit Interface Implementations

 IActivityConsumer.GetActivityContext (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IActivityConsumer.SetActivityContext (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IDeserializationCallback.OnDeserialization (Inherited from Microsoft.BusinessFramework.ClassKey)
 IInternalKey.SetEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IInternalKey.SetParent (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)

See Also

[CompanyOptions.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***CompanyOptions.Key Constructor**

Initializes a new instance of the Key class.

Overload List

Initializes a new instance of the Key class.

[protected CompanyOptions.Key\(\);](#)

[protected internal CompanyOptions.Key\(IKey\);](#)

See Also

[CompanyOptions.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***CompanyOptions.Key Constructor ()**

Initializes a new instance of the Key class.

```
protected CompanyOptions.Key();
```

See Also

[CompanyOptions.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [CompanyOptions.Key Constructor Overload List](#)

*Common Help***CompanyOptions.Key Constructor (IKey)**

```
protected internal CompanyOptions.Key(  
    IKey parent  
);
```











See Also

[CompanyOptions.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [CompanyOptions.Key Constructor Overload List](#)






*Common Help***CompanyOptions.Key Methods**

The methods of the **CompanyOptions.Key** class are listed below. For a complete list of **CompanyOptions.Key** class members, see the [CompanyOptions.Key Members](#) topic.






Public Instance Methods

 Clone (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	Overloaded.
 CopyFromEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 CopyToEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 Equals (inherited from Microsoft.BusinessFramework.ClassKey)	
 GetEntity	
 GetGuid (inherited from Microsoft.BusinessFramework.ClassKey)	
 GetHashCode (inherited from Microsoft.BusinessFramework.ClassKey)	Gets the Type of the current instance.
 GetType (inherited from Object)	
 ReleaseEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	Overloaded.
 ToString (inherited from Microsoft.BusinessFramework.ClassKey)	

Protected Instance Methods

 Finalize (inherited from Object)	Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection.
 MemberwiseClone (inherited from Object)	Creates a shallow copy of the current Object .
 SetParent (inherited from Microsoft.BusinessFramework.ClassKey)	
 SetType (inherited from Microsoft.BusinessFramework.ClassKey)	
 ShouldFixUpContainmentHierarchy (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	

Explicit Interface Implementations

	IActivityConsumer.GetActivityContext (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)
	IActivityConsumer.SetActivityContext (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)
	IDeserializationCallback.OnDeserialization (Inherited from Microsoft.BusinessFramework.ClassKey)
	IInternalKey.SetEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)
	IInternalKey.SetParent (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)

See Also

[CompanyOptions.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***CompanyOptions.Key.GetEntity Method**

```
new public CompanyOptions GetEntity();
```

See Also

[CompanyOptions.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***CompanyOptionsVirtualCollection Class**

Entity VirtualCollection for CompanyOptions.

For a list of all members of this type, see [CompanyOptionsVirtualCollection Members](#).

[System.Object](#)

[ServiceProvider](#)

[EntityVirtualCollection](#)

CompanyOptionsVirtualCollection

```
public class CompanyOptionsVirtualCollection : EntityVirtualCollection
```

Requirements

Namespace: [Microsoft.Business.Common.OrganizationStructure](#)

Assembly: Microsoft.Business.Common (in Microsoft.Business.Common.dll)


See Also

[CompanyOptionsVirtualCollection Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)





*Common Help***CompanyOptionsVirtualCollection Members**







[CompanyOptionsVirtualCollection overview](#)

Public Instance Constructors

















	CompanyOptionsVirtualCollection	Overloaded. Initializes a new instance of the CompanyOptionsVirtualCollection class.
---	--	--

Public Instance Properties


	CollectionOptions (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
	CreateOptions (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
	DataLocationPolicy (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
	EntityClassName (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)









Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 EntityType (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 FilterOptions (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 FindOptions (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 ParentKey (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 SecurityOptions (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 TransactionOptions (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	

Public Instance Methods


 Abort (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 ClearCache (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 Create (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 Create	Overloaded.
 Delete (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 Delete	Overloaded.
 DeleteAll (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 Equals (Inherited from Object)	Determines whether the specified Object is equal to the current Object .
 Find (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 Find	Overloaded.
 FindAll (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 FindAllWithBlock (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 GetHashCode (Inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 GetType (Inherited from Object)	Gets the Type of the current instance.
 Save (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 ToString (Inherited from Object)	Returns a String that represents the current Object .

Protected Instance Methods

 CanCreate (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
---	--

 CanDelete (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 CanSave (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 Finalize (Inherited from Object)	Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection.
 GetService (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 GetService (Inherited from Microsoft.BusinessFramework.Agent.ServiceProvider)	Overloaded.
 MemberwiseClone (Inherited from Object)	Creates a shallow copy of the current Object .
 VerifyEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 VerifyKey (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	

Protected Internal Instance Methods

 OnGetEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)

See Also

[CompanyOptionsVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***CompanyOptionsVirtualCollection Constructor**

Initializes a new instance of the CompanyOptionsVirtualCollection class.

Overload List

Initializes a new instance of the CompanyOptionsVirtualCollection class.

```
public CompanyOptionsVirtualCollection();
public CompanyOptionsVirtualCollection(IKey);
```

See Also

[CompanyOptionsVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***CompanyOptionsVirtualCollection Constructor ()**

Initializes a new instance of the CompanyOptionsVirtualCollection class.

```
public CompanyOptionsVirtualCollection();
```

See Also

[CompanyOptionsVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [CompanyOptionsVirtualCollection Constructor Overload List](#)

*Common Help***CompanyOptionsVirtualCollection Constructor (IKey)**

```
public CompanyOptionsVirtualCollection(
    IKey parentKey
);
```
















See Also

[CompanyOptionsVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [CompanyOptionsVirtualCollection Constructor Overload List](#)








*Common Help***CompanyOptionsVirtualCollection Methods**

The methods of the **CompanyOptionsVirtualCollection** class are listed below. For a complete list of **CompanyOptionsVirtualCollection** class members, see the [CompanyOptionsVirtualCollection Members](#) topic.

Public Instance Methods

 Abort (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 ClearCache (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 Create (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 Create	Overloaded.
 Delete (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 Delete	Overloaded.
 DeleteAll (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 Equals (Inherited from Object)	Determines whether the specified Object is equal to the current Object .
 Find (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 Find	Overloaded.
 FindAll (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 FindAllWithBlock (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 GetHashCode (Inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 GetType (Inherited from Object)	Gets the Type of the current instance.
 Save (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 ToString (Inherited from Object)	Returns a String that represents the current Object .

Protected Instance Methods

 CanCreate (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 CanDelete (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 CanSave (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 Finalize (Inherited from Object)	Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection.
 GetService (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 GetService (Inherited from Microsoft.BusinessFramework.Agent.ServiceProvider)	Overloaded.
 MemberwiseClone (Inherited from Object)	Creates a shallow copy of the current Object .

 **VerifyEntity** (Inherited from **Microsoft.BusinessFramework.Entity.EntityVirtualCollection**)

 **VerifyKey** (Inherited from **Microsoft.BusinessFramework.Entity.EntityVirtualCollection**)

Protected Internal Instance Methods

 **OnGetEntity** (Inherited from **Microsoft.BusinessFramework.Entity.EntityVirtualCollection**)

See Also

[CompanyOptionsVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

CompanyOptionsVirtualCollection.Create Method

Overload List

[new public CompanyOptions Create\(\);](#)

Inherited from [EntityVirtualCollection](#).

[public virtual IEntity Create\(EntityKey\);](#)

See Also

[CompanyOptionsVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

CompanyOptionsVirtualCollection.Create Method ()

```
new public CompanyOptions Create();
```

See Also

[CompanyOptionsVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [CompanyOptionsVirtualCollection.Create Overload List](#)

Common Help

CompanyOptionsVirtualCollection.Delete Method

Overload List

[public void Delete\(\);](#)

Inherited from [EntityVirtualCollection](#).

[public virtual void Delete\(EntityKey\);](#)

Inherited from [EntityVirtualCollection](#).

[public virtual void Delete\(IEntity\);](#)

See Also

[CompanyOptionsVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

CompanyOptionsVirtualCollection.Delete Method ()

```
public void Delete();
```

See Also

[CompanyOptionsVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [CompanyOptionsVirtualCollection.Delete Overload List](#)

Common Help

CompanyOptionsVirtualCollection.Find Method

Overload List

[public CompanyOptions Find\(\);](#)

Inherited from [EntityVirtualCollection](#).

[public virtual IEntity Find\(EntityCriteria\);](#)

Inherited from [EntityVirtualCollection](#).

```
public virtual IEntity Find(WhereExpression);
```

See Also

[CompanyOptionsVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***CompanyOptionsVirtualCollection.Find Method ()**

```
public CompanyOptions Find();
```

See Also

[CompanyOptionsVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [CompanyOptionsVirtualCollection.Find Overload List](#)

*Common Help***EntityFilterLink Class**

Default filter link for [BusinessUnit](#).

For a list of all members of this type, see [EntityFilterLink Members](#).

[System.Object](#)

[ServiceProvider](#)

[Agent](#)

[BusinessEntity](#)

[FilterLink](#)

EntityFilterLink

```
public class EntityFilterLink : FilterLink
```

Remarks

If the entity that is being filterable does not define its own filter link class linking it to business units, [EntityFilterLink](#) should be used for that purpose.

Requirements

Namespace: [Microsoft.Business.Common.OrganizationStructure](#)

Assembly: Microsoft.Business.Common (in Microsoft.Business.Common.dll)









See Also

[EntityFilterLink Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterableAttribute](#) | [FilterLinkAttribute](#)

*Common Help***EntityFilterLink Members**

[EntityFilterLink overview](#)

Public Instance Properties

 FilterableContainerID (inherited from FilterLink)	ID of the linked filterable container.
 FilterableID (inherited from FilterLink)	ID of the linked filterable entity.
 HasChanged (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 HasChangedFlags (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 IsNew (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IsReadOnly (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 PropertyBindingManager (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 ValidationInfo (inherited from Microsoft.BusinessFramework.Agent.Agent)	

Public Instance Methods

◆ CreateChild (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	Overloaded.
◆ Equals (inherited from Object)	Determines whether the specified <u>Object</u> is equal to the current <u>Object</u> .
◆ GetHashCode (inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
◆ GetKey	
◆ GetProperty (inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
◆ GetType (inherited from Object)	Gets the <u>Type</u> of the current instance.
◆ IsValid (inherited from Microsoft.BusinessFramework.Agent.Agent)	
◆ OnDeserialization (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
◆ RequestValidation (inherited from FilterLink)	Request validation of filter link during save.
◆ SetHasChanged (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
◆ ToString (inherited from Object)	Returns a <u>String</u> that represents the current <u>Object</u> .




Public Instance Events

🔔 Created (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
🔔 Defaulting (inherited from Microsoft.BusinessFramework.Agent.Agent)
🔔 Deleted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
🔔 Deleting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
🔔 Found (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
🔔 Inserted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
🔔 Inserting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
🔔 ServiceDefaulting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
🔔 ServiceValidating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
🔔 Updated (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
🔔 Updating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
🔔 Validating (inherited from Microsoft.BusinessFramework.Agent.Agent)





















Protected Instance Constructors

◆ EntityFilterLink Constructor	Initializes a new instance of the EntityFilterLink class.
--------------------------------	---

Protected Instance Properties

 ServiceEventManager (Inherited from Microsoft.BusinessFramework.Agent.Agent)
 ShouldInitializeEventBroker (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 ShouldValidateProperties (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)

Protected Instance Methods

 Finalize (Inherited from Object)	Allows an <u>Object</u> to attempt to free resources and perform other cleanup operations before the <u>Object</u> is reclaimed by garbage collection.
 GetService (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	Overloaded.
 GetService (Inherited from Microsoft.BusinessFramework.Agent.ServiceProvider)	Overloaded.
 InvokeDefaulting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 InvokeValidating (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 MemberwiseClone (Inherited from Object)	Creates a shallow copy of the current <u>Object</u> .
 OnCreated (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnDefaulting (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 OnDeleted (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnDeleting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnFound (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnInserted (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnInserting (Inherited from FilterLink)	
 OnPropertyValueChanged (Inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 OnPropertyValueChanging (Inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 OnServiceDefaulting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnServiceValidating (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnUpdated (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnUpdating (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnValidating (Inherited from	

Microsoft.BusinessFramework.Agent.Agent)

Protected Internal Instance Properties

 ValidationMode (inherited from Microsoft.BusinessFramework.Agent.Agent)
--

Protected Internal Instance Methods

 SetValidationMode (inherited from Microsoft.BusinessFramework.Agent.Agent)

Explicit Interface Implementations

 IActivityConsumer.GetActivityContext (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
--

 IActivityConsumer.SetActivityContext (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
--

 IAgent.Defaulting (inherited from Microsoft.BusinessFramework.Agent.Agent)


 IAgent.SetPropertyBindingManager (inherited from Microsoft.BusinessFramework.Agent.Agent)
--

 IAgent.Validating (inherited from Microsoft.BusinessFramework.Agent.Agent)

 IEntity.Created (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)


 IEntity.Deleted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
--

 IEntity.Deleting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
--

 IEntity.Found (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)

 IEntity.Inserted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
--

 IEntity.Inserting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)

 IEntity.ServiceDefaulting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)

 IEntity.SetKey (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
--

 IEntity.Updated (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)

 IEntity.Updating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
--

See Also

[EntityFilterLink Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterableAttribute](#) | [FilterLinkAttribute](#)

*Common Help***EntityFilterLink Constructor**

Initializes a new instance of the EntityFilterLink class.

<code>protected EntityFilterLink();</code>
--

See Also












[EntityFilterLink Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help











EntityFilterLink Methods











The methods of the **EntityFilterLink** class are listed below. For a complete list of **EntityFilterLink** class members, see the [EntityFilterLink Members](#) topic.

Public Instance Methods


 CreateChild (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	Overloaded.
 Equals (Inherited from Object)	Determines whether the specified Object is equal to the current Object .
 GetHashCode (Inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 GetKey	
 GetProperty (Inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 GetType (Inherited from Object)	Gets the Type of the current instance.
 IsValid (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 OnDeserialization (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 RequestValidation (Inherited from FilterLink)	Request validation of filter link during save.
 SetHasChanged (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 ToString (Inherited from Object)	Returns a String that represents the current Object .

Protected Instance Methods












 Finalize (Inherited from Object)	Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection.
 GetService (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	Overloaded.
 GetService (Inherited from Microsoft.BusinessFramework.Agent.ServiceProvider)	Overloaded.
 InvokeDefaulting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 InvokeValidating (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 MemberwiseClone (Inherited from Object)	Creates a shallow copy of the current Object .
 OnCreated (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnDefaulting (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 OnDeleted (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnDeleting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	


 OnFound (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnInserted (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnInserting (Inherited from FilterLink)	
 OnPropertyValueChanged (Inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 OnPropertyValueChanging (Inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 OnServiceDefaulting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnServiceValidating (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnUpdated (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnUpdating (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnValidating (Inherited from Microsoft.BusinessFramework.Agent.Agent)	

Protected Internal Instance Methods

 SetValidationMode (Inherited from Microsoft.BusinessFramework.Agent.Agent)
--

Explicit Interface Implementations

 IActivityConsumer.GetActivityContext (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IActivityConsumer.SetActivityContext (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IAgent.Defaulting (Inherited from Microsoft.BusinessFramework.Agent.Agent)
 IAgent.SetPropertyBindingManager (Inherited from Microsoft.BusinessFramework.Agent.Agent)
 IAgent.Validating (Inherited from Microsoft.BusinessFramework.Agent.Agent)
 IEntity.Created (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IEntity.Deleted (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IEntity.Deleting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IEntity.Found (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IEntity.Inserted (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IEntity.Inserting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)

 IEntity.ServiceDefaulting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)

 IEntity.SetKey (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
--

 IEntity.Updated (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)

 IEntity.Updating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
--

See Also

[EntityFilterLink Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterableAttribute](#) | [FilterLinkAttribute](#)

*Common Help***EntityFilterLink.GetKey Method**

```
new public Key GetKey();
```

See Also

[EntityFilterLink Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***EntityFilterLink.Key Class**

EntityKey class for EntityFilterLink.

For a list of all members of this type, see [EntityFilterLink.Key Members](#).

[System.Object](#)

[ClassKey](#)

[EntityKey](#)

[Key](#)

EntityFilterLink.Key

```
new public class EntityFilterLink.Key : Key
```

Requirements

Namespace: [Microsoft.Business.Common.OrganizationStructure](#)

Assembly: Microsoft.Business.Common (in Microsoft.Business.Common.dll)

See Also

[EntityFilterLink.Key Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***EntityFilterLink.Key Members**

[EntityFilterLink.Key overview](#)

Public Instance Properties

 ClassType (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
--




 FilterableContainerID (inherited from Microsoft.Business.Common.OrganizationStructure.FilterLink+Key)
--

 FilterableID (inherited from Microsoft.Business.Common.OrganizationStructure.FilterLink+Key)











 IsEntityCached (inherited from Microsoft.BusinessFramework.Entity.EntityKey)

 IsEntityReadOnly (inherited from Microsoft.BusinessFramework.Entity.EntityKey)


 IsEntitySerializable (inherited from Microsoft.BusinessFramework.Entity.EntityKey)

 Options (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 Parent (inherited from Microsoft.BusinessFramework.ClassKey)	
 Properties (inherited from Microsoft.BusinessFramework.ClassKey)	

Public Instance Methods

 Clone (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	Overloaded.
 CopyFromEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 CopyToEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 Equals (inherited from Microsoft.BusinessFramework.ClassKey)	
 <u>GetEntity</u>	
 GetGuid (inherited from Microsoft.BusinessFramework.ClassKey)	
 GetHashCode (inherited from Microsoft.BusinessFramework.ClassKey)	
 <u>GetType</u> (inherited from Object)	Gets the <u>Type</u> of the current instance.
 ReleaseEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 ToString (inherited from Microsoft.BusinessFramework.ClassKey)	Overloaded.






Protected Instance Constructors

 <u>EntityFilterLink.Key</u>	Overloaded. Initializes a new instance of the EntityFilterLink.Key class.
---	---


Protected Instance Properties

 CanCacheValues (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
--	--






Protected Instance Methods

 <u>Finalize</u> (inherited from Object)	Allows an <u>Object</u> to attempt to free resources and perform other cleanup operations before the <u>Object</u> is reclaimed by garbage collection.
 <u>MemberwiseClone</u> (Inherited from Object)	Creates a shallow copy of the current <u>Object</u> .
 SetParent (inherited from Microsoft.BusinessFramework.ClassKey)	
 SetType (inherited from Microsoft.BusinessFramework.ClassKey)	
 ShouldFixUpContainmentHierarchy (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	

Protected Internal Instance Constructors

 <u>EntityFilterLink.Key</u>	Overloaded. Initializes a new instance of the EntityFilterLink.Key class.
---	---

Explicit Interface Implementations

 IActivityConsumer.GetActivityContext (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IActivityConsumer.SetActivityContext (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IDeserializationCallback.OnDeserialization (Inherited from Microsoft.BusinessFramework.ClassKey)
 IInternalKey.SetEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IInternalKey.SetParent (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)

See Also

[EntityFilterLink.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***EntityFilterLink.Key Constructor**

Initializes a new instance of the Key class.

Overload List

Initializes a new instance of the Key class.

[protected EntityFilterLink.Key\(\);](#)

[protected internal EntityFilterLink.Key\(Guid, Guid, IKey\);](#)

See Also

[EntityFilterLink.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***EntityFilterLink.Key Constructor ()**

Initializes a new instance of the Key class.

```
protected EntityFilterLink.Key();
```

See Also

[EntityFilterLink.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [EntityFilterLink.Key Constructor Overload List](#)

*Common Help***EntityFilterLink.Key Constructor (Guid, Guid, IKey)**

```
protected internal EntityFilterLink.Key(  
    Guid filterableID,  
    Guid filterableContainerID,  
    IKey parent  
);
```




See Also








[EntityFilterLink.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [EntityFilterLink.Key Constructor Overload List](#)

*Common Help***EntityFilterLink.Key Methods**






The methods of the **EntityFilterLink.Key** class are listed below. For a complete list of **EntityFilterLink.Key** class members, see the [EntityFilterLink.Key Members](#) topic.

Public Instance Methods






 Clone (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	Overloaded.
 CopyFromEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 CopyToEntity (Inherited from	

Microsoft.BusinessFramework.Entity.EntityKey)	
 Equals (Inherited from Microsoft.BusinessFramework.ClassKey)	
 <u>GetEntity</u>	
 GetGuid (Inherited from Microsoft.BusinessFramework.ClassKey)	
 GetHashCode (Inherited from Microsoft.BusinessFramework.ClassKey)	
 <u>GetType</u> (Inherited from Object)	Gets the <u>Type</u> of the current instance.
 ReleaseEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 ToString (Inherited from Microsoft.BusinessFramework.ClassKey)	Overloaded.

Protected Instance Methods

 <u>Finalize</u> (Inherited from Object)	Allows an <u>Object</u> to attempt to free resources and perform other cleanup operations before the <u>Object</u> is reclaimed by garbage collection.
 <u>MemberwiseClone</u> (Inherited from Object)	Creates a shallow copy of the current <u>Object</u> .
 SetParent (Inherited from Microsoft.BusinessFramework.ClassKey)	
 SetType (Inherited from Microsoft.BusinessFramework.ClassKey)	
 ShouldFixUpContainmentHierarchy (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	

Explicit Interface Implementations

 IActivityConsumer.GetActivityContext (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 IActivityConsumer.SetActivityContext (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 IDeserializationCallback.OnDeserialization (Inherited from Microsoft.BusinessFramework.ClassKey)	
 IInternalKey.SetEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 IInternalKey.SetParent (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	

See Also

[EntityFilterLink.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***EntityFilterLink.Key.GetEntity Method**

```
new public EntityFilterLink GetEntity();
```

See Also

[EntityFilterLink.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***Filter Class**

Represents a set of [FilterLink](#) objects.

For a list of all members of this type, see [Filter Members](#).

System.Object
 ServiceProvider
 Agent
 BusinessEntity
Filter

```
public sealed class Filter : BusinessEntity
```

Remarks

All filter links for given filter link one-and-only-one type of filterable containers to one-and-only-one type of filterable entities.

Requirements

Namespace: Microsoft.Business.Common.OrganizationStructure

Assembly: Microsoft.Business.Common (in Microsoft.Business.Common.dll)

See Also
















[Filter Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterLink](#)

Common Help



Filter Members



























[Filter overview](#)

Public Instance Properties


 FilterableContainerType	Gets Type of filterable containers that are used by this filter.
 FilterableType	Gets or sets the type of filterable entities used by this filter.
 FilterableTypeName	Gets or sets the type of filterable entities used by this filter.
 HasChanged (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 HasChangedFlags (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 IsNew (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IsReadOnly (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IsShared	Gets or sets the value indicating if storage is shared for compatible filter links.
 Level	Gets the level of the filter.
 LinkType	Gets or sets the type of the links used by this filter.
 LinkTypeName	Gets or sets the type of the links used by this filter.
 Maintenance	Gets the maintenance of the filter.
 PropertyBindingManager (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 SecurityLevel	Gets the security level of the filter.
 ValidationInfo (inherited from Microsoft.BusinessFramework.Agent.Agent)	












Public Instance Methods

 CopyAll	Copies links linked to one filterable container to another filterable container within this filter.
 Create	Creates an instance of link.




 CreateChild (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	Overloaded.
 Delete	Deletes link from this filter.
 DeleteAll	Deletes all links from this filter.
 DeleteAllForContainer	Deletes all links linked to given filterable container from this filter.
 DeleteAllForFilterable	Overloaded. Deletes all links linked to given filterable entity and any of given filterable containers from this filter.
 Equals (inherited from Object)	Determines whether the specified Object is equal to the current Object .
 Find	Finds the link in this filter.
 FindAllForContainer	Finds all filterable entities linked to given filterable container within this filter.
 FindAllForFilterable	Finds all filterable containers linked to given filterable entity within this filter.
 GetAllowedLevels	Gets allowed levels for the filter.
 GetHashCode (inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 GetKey	
 GetProperty (inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 GetType (inherited from Object)	Gets the Type of the current instance.
 IsEmpty	Checks if this filter contains any links.
 IsLinked	Checks if this filter contains given link.
 IsLinkedToAnyContainer	Checks if this filter contains any filterable containers linked to given filterable entity.
 IsLinkedToAnyFilterable	Checks if this filter contains any filterable entities linked to given filterable container.
 IsLinkedToAnyOtherContainer	Overloaded. Checks if this filter contains any links to given filterable entity that are not linked to given filterable containers.
 IsValid (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 MoveAll	Moves links linked to one filterable container to another filterable container within this filter.
 OnDeserialization (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 Save	Overloaded. Saves the link in this filter.
 SaveAll	Saves multiple links in this filter.
 SetHasChanged (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 ToString (inherited from Object)	Returns a String that represents the current Object .

Public Instance Events










 Created (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)












 Defaulting (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 Deleted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 Deleting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 Found (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 Inserted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 Inserting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 ServiceDefaulting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 ServiceValidating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 Updated (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 Updating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 Validating (inherited from Microsoft.BusinessFramework.Agent.Agent)	

Protected Instance Properties


 ServiceEventManager (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 ShouldInitializeEventBroker (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 ShouldValidateProperties (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	

Protected Instance Methods


 <u>Finalize</u> (inherited from Object)	Allows an <u>Object</u> to attempt to free resources and perform other cleanup operations before the <u>Object</u> is reclaimed by garbage collection.
 <u>GetService</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	Overloaded.
 <u>GetService</u> (inherited from Microsoft.BusinessFramework.Agent.ServiceProvider)	Overloaded.
 <u>InvokeDefaulting</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 <u>InvokeValidating</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 <u>MemberwiseClone</u> (inherited from Object)	Creates a shallow copy of the current <u>Object</u> .
 <u>OnCreated</u>	
 <u>OnDefaulting</u> (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 <u>OnDeleted</u> (inherited from	

Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnDeleting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnFound	
 OnInserted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnInserting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnPropertyValueChanged (inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 OnPropertyValueChanging (inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 OnServiceDefaulting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnServiceValidating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnUpdated (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnUpdating	
 OnValidating	










Protected Internal Instance Properties







 ValidationMode (inherited from Microsoft.BusinessFramework.Agent.Agent)
--

Protected Internal Instance Methods

 SetValidationMode (inherited from Microsoft.BusinessFramework.Agent.Agent)

Explicit Interface Implementations

 IActivityConsumer.GetActivityContext (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IActivityConsumer.SetActivityContext (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IAgent.Defaulting (inherited from Microsoft.BusinessFramework.Agent.Agent)
 IAgent.SetPropertyBindingManager (inherited from Microsoft.BusinessFramework.Agent.Agent)
 IAgent.Validating (inherited from Microsoft.BusinessFramework.Agent.Agent)
 IEntity.Created (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IEntity.Deleted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IEntity.Deleting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IEntity.Found (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)

Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Inserted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Inserting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.ServiceDefaulting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.SetKey (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Updated (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Updating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
















See Also

[Filter Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterLink](#)

*Common Help***Filter Properties**



The properties of the **Filter** class are listed below. For a complete list of **Filter** class members, see the [Filter Members](#) topic.

Public Instance Properties

 FilterableContainerType	Gets Type of filterable containers that are used by this filter.
 FilterableType	Gets or sets the type of filterable entities used by this filter.
 FilterableTypeName	Gets or sets the type of filterable entities used by this filter.
 HasChanged (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 HasChangedFlags (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 IsNew (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IsReadOnly (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IsShared	Gets or sets the value indicating if storage is shared for compatible filter links.
 Level	Gets the level of the filter.
 LinkType	Gets or sets the type of the links used by this filter.
 LinkTypeName	Gets or sets the type of the links used by this filter.
 Maintenance	Gets the maintenance of the filter.
 PropertyBindingManager (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 SecurityLevel	Gets the security level of the filter.
 ValidationInfo (inherited from Microsoft.BusinessFramework.Agent.Agent)	

Protected Instance Properties

--	--

 ServiceEventManager (inherited from **Microsoft.BusinessFramework.Agent.Agent**) ShouldInitializeEventBroker (inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**) ShouldValidateProperties (inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)**Protected Internal Instance Properties** ValidationMode (inherited from **Microsoft.BusinessFramework.Agent.Agent**)**See Also**[Filter Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterLink](#)*Common Help***Filter.FilterableContainerType Property**

Gets Type of filterable containers that are used by this filter.

```
public System.Type FilterableContainerType {get;}
```

See Also[Filter Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)*Common Help***Filter.FilterableType Property**

Gets or sets the type of filterable entities used by this filter.

```
public System.Type FilterableType {get; set;}
```

Remarks

This property is synchronized with `FilterableTypeName` property.

See Also[Filter Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)*Common Help***Filter.FilterableTypeName Property**

Gets or sets the type of filterable entities used by this filter.

```
public string FilterableTypeName {get;}
```

Remarks

This property is synchronized with `FilterableType` property.

See Also[Filter Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)*Common Help***Filter.IsShared Property**

Gets or sets the value indicating if storage is shared for compatible filter links.

```
public bool IsShared {get; set;}
```

See Also[Filter Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)*Common Help***Filter.Level Property**

Gets the level of the filter.

```
public FilterLevel Level {get;}
```

See Also

[Filter Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***Filter.LinkType Property**

Gets or sets the type of the links used by this filter.

```
public System.Type LinkType {get; set;}
```

Remarks

This property is synchronized with LinkTypeName property.

See Also

[Filter Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***Filter.LinkTypeName Property**

Gets or sets the type of the links used by this filter.

```
public string LinkTypeName {get;}
```

Remarks

This property is synchronized with LinkType property.

See Also

[Filter Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***Filter.Maintenance Property**

Gets the maintenance of the filter.

```
public FilterMaintenance Maintenance {get;}
```

See Also

[Filter Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***Filter.SecurityLevel Property**

Gets the security level of the filter.

```
public FilterSecurityLevel SecurityLevel {get;}
```







See Also























[Filter Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***Filter Methods**






The methods of the **Filter** class are listed below. For a complete list of **Filter** class members, see the [Filter Members](#) topic.
















Public Instance Methods

 CopyAll	Copies links linked to one filterable container to another filterable container within this filter.
 Create	Creates an instance of link.
 CreateChild (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	Overloaded.
 Delete	Deletes link from this filter.
 DeleteAll	Deletes all links from this filter.
 DeleteAllForContainer	Deletes all links linked to given filterable container from this filter.

 <u>DeleteAllForFilterable</u>	Overloaded. Deletes all links linked to given filterable entity and any of given filterable containers from this filter.
 <u>Equals</u> (Inherited from Object)	Determines whether the specified <u>Object</u> is equal to the current <u>Object</u> .
 <u>Find</u>	Finds the link in this filter.
 <u>FindAllForContainer</u>	Finds all filterable entities linked to given filterable container within this filter.
 <u>FindAllForFilterable</u>	Finds all filterable containers linked to given filterable entity within this filter.
 <u>GetAllowedLevels</u>	Gets allowed levels for the filter.
 <u>GetHashCode</u> (Inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 <u>GetKey</u>	
 <u>GetProperty</u> (Inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 <u>GetType</u> (Inherited from Object)	Gets the <u>Type</u> of the current instance.
 <u>IsEmpty</u>	Checks if this filter contains any links.
 <u>IsLinked</u>	Checks if this filter contains given link.
 <u>IsLinkedToAnyContainer</u>	Checks if this filter contains any filterable containers linked to given filterable entity.
 <u>IsLinkedToAnyFilterable</u>	Checks if this filter contains any filterable entities linked to given filterable container.
 <u>IsLinkedToAnyOtherContainer</u>	Overloaded. Checks if this filter contains any links to given filterable entity that are not linked to given filterable containers.
 <u>IsValid</u> (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 <u>MoveAll</u>	Moves links linked to one filterable container to another filterable container within this filter.
 <u>OnDeserialization</u> (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 <u>Save</u>	Overloaded. Saves the link in this filter.
 <u>SaveAll</u>	Saves multiple links in this filter.
 <u>SetHasChanged</u> (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 <u>ToString</u> (Inherited from Object)	Returns a <u>String</u> that represents the current <u>Object</u> .

Protected Instance Methods


 <u>Finalize</u> (Inherited from Object)	Allows an <u>Object</u> to attempt to free resources and perform other cleanup operations before the <u>Object</u> is reclaimed by garbage collection.
 <u>GetService</u> (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	Overloaded.
 <u>GetService</u> (Inherited from Microsoft.BusinessFramework.Agent.ServiceProvider)	Overloaded.
 <u>InvokeDefaulting</u> (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 <u>InvokeValidating</u> (Inherited from	


Microsoft.BusinessFramework.Entity.BusinessEntity)	
 MemberwiseClone (Inherited from Object)	Creates a shallow copy of the current <u>Object</u> .
 OnCreated	
 OnDefaulting (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 OnDeleted (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnDeleting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnFound	
 OnInserted (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnInserting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnPropertyValueChanged (Inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 OnPropertyValueChanging (Inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 OnServiceDefaulting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnServiceValidating (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnUpdated (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnUpdating	
 OnValidating	


Protected Internal Instance Methods


 **SetValidationMode** (Inherited from **Microsoft.BusinessFramework.Agent.Agent**)


Explicit Interface Implementations


 **IActivityConsumer.GetActivityContext** (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)


 **IActivityConsumer.SetActivityContext** (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 **IAgent.Defaulting** (Inherited from **Microsoft.BusinessFramework.Agent.Agent**)


 **IAgent.SetPropertyBindingManager** (Inherited from **Microsoft.BusinessFramework.Agent.Agent**)

 **IAgent.Validating** (Inherited from **Microsoft.BusinessFramework.Agent.Agent**)

 **IEntity.Created** (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)


 **IEntity.Deleted** (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 IEntity.Deleting (inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 IEntity.Found (inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 IEntity.Inserted (inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 IEntity.Inserting (inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 IEntity.ServiceDefaulting (inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 IEntity.SetKey (inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 IEntity.Updated (inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 IEntity.Updating (inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

See Also

[Filter Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterLink](#)

Common Help

Filter.CopyAll Method

Copies links linked to one filterable container to another filterable container within this filter.

```
public void CopyAll(
    Guid fromFilterableContainerID,
    Guid toFilterableContainerID
);
```

Parameters

fromFilterableContainerID
ID of the filterable container to copy links from

toFilterableContainerID
ID of the filterable container to copy links to

See Also

[Filter Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

Filter.Create Method

Creates an instance of link.

```
public IFilterLink Create(
    Guid filterableID,
    Guid filterableContainerID
);
```

Parameters

filterableID
ID of the linked filterable entity

filterableContainerID
ID of the linked filterable container

Return Value

Filter link that links given filterable entity and filterable container.

Remarks

The link is not yet saved to data store.

See Also

[Filter Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***Filter.Delete Method**

Deletes link from this filter.

```
public void Delete(  
    Guid filterableID,  
    Guid filterableContainerID  
) ;
```

Parameters

filterableID

ID of the linked filterable entity

filterableContainerID

ID of the linked filterable container

Remarks

The link is deleted if it exists. If the link does not exist no exception is thrown.

See Also

[Filter Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***Filter.DeleteAll Method**

Deletes all links from this filter.

```
public void DeleteAll();
```

See Also

[Filter Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***Filter.DeleteAllForContainer Method**

Deletes all links linked to given filterable container from this filter.

```
public void DeleteAllForContainer(  
    Guid filterableContainerID  
) ;
```

Parameters

filterableContainerID

ID of the filterable container

See Also

[Filter Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***Filter.DeleteAllForFilterable Method**

Deletes all links linked to given filterable entity from this filter.

Overload List

Deletes all links linked to given filterable entity from this filter.

[public void DeleteAllForFilterable\(Guid\);](#)

Deletes all links linked to given filterable entity and any of given filterable containers from this filter.

[public void DeleteAllForFilterable\(Guid,GuidCollection\);](#)

See Also

[Filter Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***Filter.DeleteAllForFilterable Method (Guid)**

Deletes all links linked to given filterable entity from this filter.

```
public void DeleteAllForFilterable(  
    Guid filterableID  
) ;
```

Parameters

filterableID
of the filterable entity

See Also

[Filter Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [Filter.DeleteAllForFilterable Overload List](#)

*Common Help***Filter.DeleteAllForFilterable Method (Guid, GuidCollection)**

Deletes all links linked to given filterable entity and any of given filterable containers from this filter.

```
public void DeleteAllForFilterable(  
    Guid filterableID,  
    GuidCollection containers  
);
```

Parameters

filterableID
ID of the filterable entity

containers
IDs of filterable containers

See Also

[Filter Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [Filter.DeleteAllForFilterable Overload List](#)

*Common Help***Filter.Find Method**

Finds the link in this filter.

```
public IFilterLink Find(  
    Guid filterableID,  
    Guid filterableContainerID  
);
```

Parameters

filterableID
ID of the linked filterable entity

filterableContainerID
ID of the linked filterable container

Return Value

Filter link if it exists in data store; otherwise null

See Also

[Filter Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***Filter.FindAllForContainer Method**

Finds all filterable entities linked to given filterable container within this filter.

```
public GuidCollection FindAllForContainer(  
    Guid filterableContainerID  
);
```

Parameters

filterableContainerID
ID of the filterable container

Return Value

IDs of filterable entities linked to filterable container.

See Also

[Filter Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***Filter.FindAllForFilterable Method**

Finds all filterable containers linked to given filterable entity within this filter.

```
public GuidCollection FindAllForFilterable(  
    Guid filterableID  
);
```

Parameters

filterableID
ID of the filterable entity

Return Value

IDs of filterable containers linked to filterable entity.

See Also

[Filter Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

Filter.GetAllowedLevels Method

Gets allowed levels for the filter.

```
public FilterLevel[] GetAllowedLevels();
```

Return Value

All allowed levels.

See Also

[Filter Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

Filter.GetKey Method

```
new public Key GetKey();
```

See Also

[Filter Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

Filter.IsEmpty Method

Checks if this filter contains any links.

```
public bool IsEmpty();
```

Return Value

True if any link exists; false otherwise.

See Also

[Filter Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

Filter.IsLinked Method

Checks if this filter contains given link.

```
public bool IsLinked(  
    Guid filterableID,  
    Guid filterableContainerID  
);
```

Parameters

filterableID
ID of the linked filterable entity
filterableContainerID
ID of the linked filterable container

Return Value

True if the link exists; false otherwise.

See Also

[Filter Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

Filter.IsLinkedToAnyContainer Method

Checks if this filter contains any filterable containers linked to given filterable entity.

```
public bool IsLinkedToAnyContainer(
    Guid filterableID
);
```

Parameters

filterableID
ID of the filterable entity

Return Value

True if any filterable container is linked to given filterable entity; false otherwise.

See Also

[Filter Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

Filter.IsLinkedToAnyFilterable Method

Checks if this filter contains any filterable entities linked to given filterable container.

```
public bool IsLinkedToAnyFilterable(
    Guid filterableContainerID
);
```

Parameters

filterableContainerID
ID of the filterable container

Return Value

True if any filterable entity is linked to given filterable container; false otherwise.

See Also

[Filter Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

Filter.IsLinkedToAnyOtherContainer Method

Checks if this filter contains any links to a filterable container that does not belong to the specified set.

Overload List

Checks if this filter contains any links to a filterable container that does not belong to the specified set.

```
public bool IsLinkedToAnyOtherContainer(GuidCollection);
```

Checks if this filter contains any links to given filterable entity that are not linked to given filterable containers.

```
public bool IsLinkedToAnyOtherContainer(Guid, GuidCollection);
```

See Also

[Filter Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

Filter.IsLinkedToAnyOtherContainer Method (GuidCollection)

Checks if this filter contains any links to a filterable container that does not belong to the specified set.

```
public bool IsLinkedToAnyOtherContainer(
    GuidCollection containers
);
```

Parameters

containers
IDs of filterable containers

Return Value

True if there is any link to a filterable container that does not belong to the specified set; false otherwise.

See Also

[Filter Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [Filter.IsLinkedToAnyOtherContainer Overload List](#)

*Common Help***Filter.IsLinkedToAnyOtherContainer Method (Guid, GuidCollection)**

Checks if this filter contains any links to given filterable entity that are not linked to given filterable containers.

```
public bool IsLinkedToAnyOtherContainer(
    Guid filterableID,
    GuidCollection containers
);
```

Parameters

filterableID
ID of the filterable entity

containers
IDs of filterable containers

Return Value

True if there are any links within this filter that link given filterable entity to any filterable container outside of specified set; false otherwise.

See Also

[Filter Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [Filter.IsLinkedToAnyOtherContainer Overload List](#)

*Common Help***Filter.MoveAll Method**

Moves links linked to one filterable container to another filterable container within this filter.

```
public void MoveAll(
    Guid fromFilterableContainerID,
    Guid toFilterableContainerID
);
```

Parameters

fromFilterableContainerID
ID of the filterable container to move links from

toFilterableContainerID
ID of the filterable container to move links to

See Also

[Filter Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***Filter.OnCreated Method**

```
protected override void OnCreated(
    EntityEventArgs args
);
```

See Also

[Filter Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***Filter.OnFound Method**

```
protected override void OnFound(
    EntityEventArgs args
);
```

See Also

[Filter Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***Filter.OnUpdating Method**

```
protected override void OnUpdating(
```

```
}; EntityEventArgs args
```

See Also[Filter Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)*Common Help***Filter.OnValidating Method**

```
protected override void OnValidating(  
    ValidationEventArgs args  
);
```

See Also[Filter Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)*Common Help***Filter.Save Method**

Saves link into this filter.

Overload List

Saves link into this filter.

```
public void Save(IFilterLink,bool,bool);
```

Saves the link in this filter.

```
public void Save(Guid,Guid,bool);
```

See Also[Filter Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)*Common Help***Filter.Save Method (IFilterLink, Boolean, Boolean)**

Saves link into this filter.

```
public void Save(  
    IFilterLink link,  
    bool validateFilterable,  
    bool validateFilterableContainer  
);
```

Parameters*link*

Filter link to be saved

validateFilterable

If true then existence of the filterable entity will be checked before saving the link

validateFilterableContainer

If true then existence of the filterable entity will be checked before saving the link

Exceptions

Exception Type	Condition
EntityInvalidException	Thrown if validation of filterable entity was requested and the validation was not succesful. Thrown if validation of filterable container was requested and the validation was not succesful.

See Also[Filter Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [Filter.Save Overload List](#)*Common Help***Filter.Save Method (Guid, Guid, Boolean)**

Saves the link in this filter.

```
public void Save(  
    Guid filterableID,  
    Guid filterableContainerID,  
    bool validateFilterable  
);
```

Parameters

filterableID

ID of the linked filterable entity

filterableContainerID

ID of the linked filterable container

validateFilterable

If true then existence of the filterable entity will be checked before saving the link

Remarks

The link is created only for existing filterable container. If filterable container does not exist the link will not be created. No exception will be thrown in this case.

Exceptions

Exception Type	Condition
EntityInvalidException	Thrown if validation of filterable entity was requested and the validation was not succesful.

See Also[Filter Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [Filter.Save Overload List](#)*Common Help***Filter.SaveAll Method**

Saves multiple links in this filter.

```
public void SaveAll(  
    Guid filterableID,  
    GuidCollection filterableContainers,  
    bool validateFilterable  
) {  
}
```

Parameters**filterableID**

ID of the linked filterable entity

filterableContainers

IDs of linked filterable containers

validateFilterable

If true then existence of the filterable entity will be checked before saving the link

Remarks

The links are created only for existing filterable containers. If filterable container does not exist the link will not be created. No exception will be thrown in this case.

Exceptions

Exception Type	Condition
EntityInvalidException	Thrown if validation of filterable entity was requested and the validation was not succesful.

See Also[Filter Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)*Common Help***Filter.FilterLevelSetterCallback Delegate**

```
public delegate void Filter.FilterLevelSetterCallback(  
    Filter filter,  
    FilterLevel level  
)
```

Requirements**Namespace:** [Microsoft.Business.Common.OrganizationStructure](#)**Assembly:** Microsoft.Business.Common (in Microsoft.Business.Common.dll)**See Also**[Microsoft.Business.Common.OrganizationStructure Namespace](#)*Common Help***Filter.FilterSecurityLevelSetterCallback Delegate**

```
public delegate void Filter.FilterSecurityLevelSetterCallback(
    Filter filter,
    FilterSecurityLevel securityLevel
);
```

Requirements**Namespace:** [Microsoft.Business.Common.OrganizationStructure](#)**Assembly:** Microsoft.Business.Common (in Microsoft.Business.Common.dll)**See Also**[Microsoft.Business.Common.OrganizationStructure Namespace](#)*Common Help***Filter.Key Class**

EntityKey class for Filter.

For a list of all members of this type, see [Filter.Key Members](#).[System.Object](#)[ClassKey](#)[EntityKey](#)**Filter.Key**


```
public class Filter.Key : EntityKey
```

Requirements**Namespace:** [Microsoft.Business.Common.OrganizationStructure](#)**Assembly:** Microsoft.Business.Common (in Microsoft.Business.Common.dll)**See Also**[Filter.Key Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)*Common Help***Filter.Key Members**[Filter.Key overview](#)**Public Instance Properties**
 **ClassType** (inherited from **Microsoft.BusinessFramework.Entity.EntityKey**)

 **FilterableTypeName**
 **IsEntityCached** (inherited from **Microsoft.BusinessFramework.Entity.EntityKey**)

 **IsEntityReadOnly** (inherited from **Microsoft.BusinessFramework.Entity.EntityKey**)


 **IsEntitySerializable** (inherited from **Microsoft.BusinessFramework.Entity.EntityKey**)









 **LinkTypeName**
 **Options** (inherited from **Microsoft.BusinessFramework.Entity.EntityKey**)

 **Parent** (inherited from **Microsoft.BusinessFramework.ClassKey**)


 **Properties** (inherited from **Microsoft.BusinessFramework.ClassKey**)
Public Instance Methods
 **Clone** (inherited from **Microsoft.BusinessFramework.Entity.EntityKey**)

Overloaded.


 **CopyFromEntity** (inherited from

Microsoft.BusinessFramework.Entity.EntityKey)	
 CopyToEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 Equals (inherited from Microsoft.BusinessFramework.ClassKey)	
 GetEntity	
 GetGuid (inherited from Microsoft.BusinessFramework.ClassKey)	
 GetHashCode (inherited from Microsoft.BusinessFramework.ClassKey)	
 GetType (inherited from Object)	Gets the <u>Type</u> of the current instance.
 ReleaseEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 ToString (inherited from Microsoft.BusinessFramework.ClassKey)	Overloaded.






Protected Instance Constructors

 <u>Filter.Key</u>	Overloaded. Initializes a new instance of the Filter.Key class.
---	---


Protected Instance Properties

 CanCacheValues (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
---	--






Protected Instance Methods

 <u>Finalize</u> (inherited from Object)	Allows an <u>Object</u> to attempt to free resources and perform other cleanup operations before the <u>Object</u> is reclaimed by garbage collection.
 <u>MemberwiseClone</u> (inherited from Object)	Creates a shallow copy of the current <u>Object</u> .
 <u>SetParent</u> (inherited from Microsoft.BusinessFramework.ClassKey)	
 <u>SetType</u> (inherited from Microsoft.BusinessFramework.ClassKey)	
 <u>ShouldFixUpContainmentHierarchy</u> (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	

Protected Internal Instance Constructors

 <u>Filter.Key</u>	Overloaded. Initializes a new instance of the Filter.Key class.
---	---

Explicit Interface Implementations

 <u>IActivityConsumer.GetActivityContext</u> (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 <u>IActivityConsumer.SetActivityContext</u> (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 <u>IDeserializationCallback.OnDeserialization</u> (inherited from Microsoft.BusinessFramework.ClassKey)	
 <u>IInternalKey.SetEntity</u> (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 <u>IInternalKey.SetParent</u> (inherited from	

Microsoft.BusinessFramework.Entity.EntityKey)
--

See Also
[Filter.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)
*Common Help***Filter.Key Constructor**

Initializes a new instance of the Key class.

Overload List

Initializes a new instance of the Key class.

`protected Filter.Key();`

`protected internal Filter.Key(string,string,IKey);`

See Also
[Filter.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)
*Common Help***Filter.Key Constructor ()**

Initializes a new instance of the Key class.

<code>protected Filter.Key();</code>









See Also
[Filter.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [Filter.Key Constructor Overload List](#)
*Common Help***Filter.Key Constructor (String, String, IKey)**

<pre>protected internal Filter.Key(string linkTypeName, string filterableTypeName, IKey parent);</pre>
--

See Also
[Filter.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [Filter.Key Constructor Overload List](#)
*Common Help***Filter.Key Properties**

The properties of the **Filter.Key** class are listed below. For a complete list of **Filter.Key** class members, see the [Filter.Key Members](#) topic.

Public Instance Properties

 ClassType (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 FilterableTypeName
 IsEntityCached (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IsEntityReadOnly (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IsEntitySerializable (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 LinkTypeName
 Options (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 Parent (Inherited from Microsoft.BusinessFramework.ClassKey)

 Properties (Inherited from **Microsoft.BusinessFramework.ClassKey**)

Protected Instance Properties

 CanCacheValues (Inherited from **Microsoft.BusinessFramework.Entity.EntityKey**)

See Also

[Filter.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

Filter.Key.FilterableTypeName Property

```
public string FilterableTypeName {get;}
```

See Also

[Filter.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

Filter.Key.LinkTypeName Property

```
public string LinkTypeName {get;}
```

See Also











[Filter.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help


Filter.Key Methods





The methods of the **Filter.Key** class are listed below. For a complete list of **Filter.Key** class members, see the [Filter.Key Members](#) topic.

Public Instance Methods






 Clone (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	Overloaded.
 CopyFromEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 CopyToEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 Equals (Inherited from Microsoft.BusinessFramework.ClassKey)	
 GetEntity	
 GetGuid (Inherited from Microsoft.BusinessFramework.ClassKey)	
 GetHashCode (Inherited from Microsoft.BusinessFramework.ClassKey)	Gets the <u>Type</u> of the current instance.
 GetType (Inherited from Object)	
 ReleaseEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	Overloaded.
 ToString (Inherited from Microsoft.BusinessFramework.ClassKey)	

Protected Instance Methods

 Finalize (Inherited from Object)	Allows an <u>Object</u> to attempt to free resources and perform other cleanup operations before the <u>Object</u> is reclaimed by garbage collection.
--	--

 MemberwiseClone (inherited from Object)	Creates a shallow copy of the current Object .
 SetParent (inherited from Microsoft.BusinessFramework.ClassKey)	
 SetType (inherited from Microsoft.BusinessFramework.ClassKey)	
 ShouldFixUpContainmentHierarchy (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	

Explicit Interface Implementations

 IActivityConsumer.GetActivityContext (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IActivityConsumer.SetActivityContext (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IDeserializationCallback.OnDeserialization (inherited from Microsoft.BusinessFramework.ClassKey)
 IInternalKey.SetEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IInternalKey.SetParent (inherited from Microsoft.BusinessFramework.Entity.EntityKey)

See Also

[Filter.Key.Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***Filter.Key.GetEntity Method**

```
new public Filter GetEntity();
```

See Also

[Filter.Key.Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterableAttribute Class**

Specifies details of filtering for filterable entity.

For a list of all members of this type, see [FilterableAttribute Members](#).

[System.Object](#)

[Attribute](#)

[BusinessFrameworkAttribute](#)

FilterableAttribute

```
public sealed class FilterableAttribute : BusinessFrameworkAttribute
```

Remarks

Should be applied to entities that implement [IFilterable](#).

Requirements

Namespace: [Microsoft.Business.Common.OrganizationStructure](#)

Assembly: Microsoft.Business.Common (in Microsoft.Business.Common.dll)

See Also


[FilterableAttribute Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterableAttribute Members**








[FilterableAttribute overview](#)

Public Instance Constructors









	Overloaded. Initializes a new instance of the FilterableAttribute
--	---

 FilterableAttribute	class.
--	--------



Public Instance Properties

 DefaultLevel	Gets or sets default level of the filter.
 DefaultSecurityLevel	Gets or sets default security level of the filter.
 FactoryType	Gets or sets the type of filter link factory.
 FilterableContainerType	Gets type of filterable container for the resulting filter.
 FilterMaintenance	Gets or sets maintenance of the filter.
 LinkType	Gets or sets a type of filter links used for filtering.
 TypeId (inherited from Attribute)	When implemented in a derived class, gets a unique identifier for this Attribute .

Public Instance Methods

 Equals (inherited from Attribute)	
 GetAllowedLevels	Gets allowed filter levels specified though the constructor.
 GetHashCode (inherited from Attribute)	Returns the hash code for this instance.
 GetType (inherited from Object)	Gets the Type of the current instance.
 IsAllowed	Check if a level is allowed.
 IsDefaultAttribute (inherited from Attribute)	When overridden in a derived class, returns an indication whether the value of this instance is the default value for the derived class.
 Match (inherited from Attribute)	When overridden in a derived class, returns a value indicating whether this instance equals a specified object.
 ToString (inherited from Object)	Returns a String that represents the current Object .

Protected Instance Methods

 Finalize (inherited from Object)	Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection.
 MemberwiseClone (Inherited from Object)	Creates a shallow copy of the current Object .

See Also

[FilterableAttribute Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterableAttribute Constructor**

Initializes a new instance of the **FilterableAttribute** class

Overload List

Initializes a new instance of the **FilterableAttribute** class

public FilterableAttribute();

Initializes a new instance of the **FilterableAttribute** class

public FilterableAttribute(params FilterLevel[]);

See Also

[FilterableAttribute Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterableAttribute Constructor ()**

Initializes a new instance of the **FilterableAttribute** class

```
public FilterableAttribute();
```

See Also

[FilterableAttribute Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterableAttribute Constructor Overload List](#)

*Common Help***FilterableAttribute Constructor (FilterLevel[])**

Initializes a new instance of the `FilterableAttribute` class

```
public FilterableAttribute(
    params FilterLevel[] allowedLevels
);
```

Parameters

allowedLevels
Allowed filter levels.

Remarks

If default level is not specified, the first allowed level on the list becomes the default.








See Also

[FilterableAttribute Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterableAttribute Constructor Overload List](#)

*Common Help***FilterableAttribute Properties**

The properties of the `FilterableAttribute` class are listed below. For a complete list of `FilterableAttribute` class members, see the [FilterableAttribute Members](#) topic.

Public Instance Properties

 DefaultLevel	Gets or sets default level of the filter.
 DefaultSecurityLevel	Gets or sets default security level of the filter.
 FactoryType	Gets or sets the type of filter link factory.
 FilterableContainerType	Gets type of filterable container for the resulting filter.
 FilterMaintenance	Gets or sets maintenance of the filter.
 LinkType	Gets or sets a type of filter links used for filtering.
 TypeId (inherited from Attribute)	When implemented in a derived class, gets a unique identifier for this Attribute .

See Also

[FilterableAttribute Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterableAttribute.DefaultLevel Property**

Gets or sets default level of the filter.

```
public FilterLevel DefaultLevel {get; set;}
```

See Also

[FilterableAttribute Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterableAttribute.DefaultSecurityLevel Property**

Gets or sets default security level of the filter.

```
public FilterSecurityLevel DefaultSecurityLevel {get; set;}
```

See Also

[FilterableAttribute Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FilterableAttribute.FactoryType Property

Gets or sets the type of filter link factory.

```
public System.Type FactoryType {get; set;}
```

Remarks

The type must implement IFilterLinkFactory.

See Also

[FilterableAttribute Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FilterableAttribute.FilterableContainerType Property

Gets type of filterable container for the resulting filter.

```
public System.Type FilterableContainerType {get;}
```

See Also

[FilterableAttribute Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FilterableAttribute.FilterMaintenance Property

Gets or sets maintenance of the filter.

```
public FilterMaintenance FilterMaintenance {get; set;}
```

See Also

[FilterableAttribute Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FilterableAttribute.LinkType Property

Gets or sets a type of filter links used for filtering.

```
public System.Type LinkType {get; set;}
```

Remarks

The type must implement IFilterLink.

See Also







[FilterableAttribute Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)



Common Help

FilterableAttribute Methods



The methods of the **FilterableAttribute** class are listed below. For a complete list of **FilterableAttribute** class members, see the [FilterableAttribute Members](#) topic.

Public Instance Methods

 Equals (inherited from Attribute)	
 GetAllowedLevels	Gets allowed filter levels specified though the constructor.
 GetHashCode (inherited from Attribute)	Returns the hash code for this instance.
 GetType (inherited from Object)	Gets the Type of the current instance.
 IsAllowed	Check if a level is allowed.
 IsDefaultAttribute (inherited from Attribute)	When overridden in a derived class, returns an indication whether the value of this instance is the default value for the derived class.
	When overridden in a derived class, returns a value indicating

 Match (inherited from Attribute)	whether this instance equals a specified object.
 ToString (inherited from Object)	Returns a <u>String</u> that represents the current <u>Object</u> .

Protected Instance Methods

 Finalize (inherited from Object)	Allows an <u>Object</u> to attempt to free resources and perform other cleanup operations before the <u>Object</u> is reclaimed by garbage collection.
 MemberwiseClone (Inherited from Object)	Creates a shallow copy of the current <u>Object</u> .

See Also

[FilterableAttribute Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterableAttribute.GetAllowedLevels Method**

Gets allowed filter levels specified through the constructor.

```
public FilterLevel[] GetAllowedLevels();
```

Return Value

Allowed filter levels.

See Also

[FilterableAttribute Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterableAttribute.IsAllowed Method**

Check if a level is allowed.

```
public bool IsAllowed(
    FilterLevel level
);
```

Parameters

level
Filter level to check.

Return Value

True if the level is allowed; false otherwise.

See Also

[FilterableAttribute Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterableContainerAttribute Class**

For a list of all members of this type, see [FilterableContainerAttribute Members](#).

[System.Object](#)

[Attribute](#)

[BusinessFrameworkAttribute](#)

FilterableContainerAttribute

```
public sealed class FilterableContainerAttribute : BusinessFrameworkAttribute
```

Requirements

Namespace: [Microsoft.Business.Common.OrganizationStructure](#)

Assembly: Microsoft.Business.Common (in Microsoft.Business.Common.dll)


See Also

[FilterableContainerAttribute Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)


*Common Help***FilterableContainerAttribute Members**

[FilterableContainerAttribute overview](#)







Public Instance Constructors

 FilterableContainerAttribute Constructor	Initializes a new instance of the FilterableContainerAttribute class.
--	---



Public Instance Properties

 TypeId (inherited from Attribute)	When implemented in a derived class, gets a unique identifier for this Attribute .
---	---

Public Instance Methods

 Equals (inherited from Attribute)	
 GetHashCode (inherited from Attribute)	Returns the hash code for this instance.
 GetType (inherited from Object)	Gets the Type of the current instance.
 IsDefaultAttribute (inherited from Attribute)	When overridden in a derived class, returns an indication whether the value of this instance is the default value for the derived class.
 Match (inherited from Attribute)	When overridden in a derived class, returns a value indicating whether this instance equals a specified object.
 ToString (inherited from Object)	Returns a String that represents the current Object .

Protected Instance Methods

 Finalize (inherited from Object)	Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection.
 MemberwiseClone (inherited from Object)	Creates a shallow copy of the current Object .

See Also

[FilterableContainerAttribute Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterableContainerAttribute Constructor**

Initializes a new instance of the [FilterableContainerAttribute](#) class.

```
public FilterableContainerAttribute();
```

See Also

[FilterableContainerAttribute Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterLevel Enumeration**

Represents level of a [Filter](#).

```
public enum FilterLevel
```

Members

Member Name	Description
Simple	
Group	
Global	

Requirements

Namespace: [Microsoft.Business.Common.OrganizationStructure](#)

Assembly: Microsoft.Business.Common (in Microsoft.Business.Common.dll)

See Also

[Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FilterLink Class

Represents an association between a filterable entity and a filterable container.

For a list of all members of this type, see [FilterLink Members](#).

System.Object
ServiceProvider
Agent
BusinessEntity
FilterLink

```
public abstract class FilterLink : BusinessEntity, IFilterLink
```

Remarks

Filterable entity must implement IFilterable. Filterable container must implement IFilterableContainer.

Requirements

Namespace: [Microsoft.Business.Common.OrganizationStructure](#)

Assembly: Microsoft.Business.Common (in Microsoft.Business.Common.dll)

See Also









[FilterLink Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help








FilterLink Members





[FilterLink overview](#)

Public Instance Properties













 FilterableContainerID	ID of the linked filterable container.
 FilterableID	ID of the linked filterable entity.
 HasChanged (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 HasChangedFlags (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 IsNew (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IsReadOnly (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 PropertyBindingManager (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 ValidationInfo (inherited from Microsoft.BusinessFramework.Agent.Agent)	

Public Instance Methods


 CreateChild (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	Overloaded.
 Equals (inherited from Object)	Determines whether the specified Object is equal to the current Object .
 GetHashCode (inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 GetKey	Overloaded.
 GetProperty (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 GetType (inherited from Object)	Gets the Type of the current instance.
 IsValid (inherited from Microsoft.BusinessFramework.Agent.Agent)	

 OnDeserialization (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 RequestValidation	Request validation of filter link during save.
 SetHasChanged (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 ToString (Inherited from Object)	Returns a <u>String</u> that represents the current <u>Object</u> .




Public Instance Events

 Created (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 Defaulting (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 Deleted (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 Deleting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 Found (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 Inserted (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 Inserting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 ServiceDefaulting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 ServiceValidating (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 Updated (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 Updating (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 Validating (Inherited from Microsoft.BusinessFramework.Agent.Agent)	


Protected Instance Constructors










 FilterLink_Constructor	Initializes a new instance of the FilterLink class.
--	---

Protected Instance Properties


 ServiceEventManager (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 ShouldInitializeEventBroker (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 ShouldValidateProperties (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	

Protected Instance Methods

 Finalize (Inherited from Object)	Allows an <u>Object</u> to attempt to free resources and perform other cleanup operations before the <u>Object</u> is reclaimed by garbage collection.
	Overloaded.

 GetService (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 GetService (inherited from Microsoft.BusinessFramework.Agent.ServiceProvider)	Overloaded.
 InvokeDefaulting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 InvokeValidating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 MemberwiseClone (inherited from Object)	Creates a shallow copy of the current <u>Object</u> .
 OnCreated (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnDefaulting (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 OnDeleted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnDeleting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnFound (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnInserted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnInserting	
 OnPropertyValueChanged (inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 OnPropertyValueChanging (inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 OnServiceDefaulting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnServiceValidating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnUpdated (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnUpdating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnValidating (inherited from Microsoft.BusinessFramework.Agent.Agent)	

Protected Internal Instance Properties

 ValidationMode (inherited from Microsoft.BusinessFramework.Agent.Agent)
--

Protected Internal Instance Methods

 SetValidationMode (inherited from Microsoft.BusinessFramework.Agent.Agent)

Explicit Interface Implementations

 IActivityConsumer.GetActivityContext (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
--

 **IActivityConsumer.SetActivityContext** (inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 **IAgent.Defaulting** (inherited from **Microsoft.BusinessFramework.Agent.Agent**)


 **IAgent.SetPropertyBindingManager** (inherited from **Microsoft.BusinessFramework.Agent.Agent**)

 **IAgent.Validating** (inherited from **Microsoft.BusinessFramework.Agent.Agent**)

 **IEntity.Created** (inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)


 **IEntity.Deleted** (inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 **IEntity.Deleting** (inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 **IEntity.Found** (inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 **IEntity.Inserted** (inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 **IEntity.Inserting** (inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 **IEntity.ServiceDefaulting** (inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 **IEntity.SetKey** (inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 **IEntity.Updated** (inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 **IEntity.Updating** (inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

See Also

[FilterLink Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FilterLink Constructor

Initializes a new instance of the FilterLink class.

```
protected FilterLink();
```

See Also




[FilterLink Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FilterLink Properties


The properties of the **FilterLink** class are listed below. For a complete list of **FilterLink** class members, see the [FilterLink Members](#) topic.

Public Instance Properties

 FilterableContainerID	ID of the linked filterable container.
 FilterableID	ID of the linked filterable entity.
 HasChanged (inherited from Microsoft.BusinessFramework.Agent.Agent)	

 HasChangedFlags (inherited from **Microsoft.BusinessFramework.Agent.Agent**) IsNew (inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**) IsReadOnly (inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**) PropertyBindingManager (inherited from **Microsoft.BusinessFramework.Agent.Agent**) ValidationInfo (inherited from **Microsoft.BusinessFramework.Agent.Agent**)

Protected Instance Properties

 ServiceEventManager (inherited from **Microsoft.BusinessFramework.Agent.Agent**) ShouldInitializeEventBroker (inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**) ShouldValidateProperties (inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

Protected Internal Instance Properties

 ValidationMode (inherited from **Microsoft.BusinessFramework.Agent.Agent**)

See Also

[FilterLink Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FilterLink.FilterableContainerID Property

ID of the linked filterable container.

```
public System.Guid FilterableContainerID {get; set;}
```

Implements

[IFilterLink.FilterableContainerID](#)

See Also

[FilterLink Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FilterLink.FilterableID Property

ID of the linked filterable entity.

```
public System.Guid FilterableID {get; set;}
```

Implements

[IFilterLink.FilterableID](#)

See Also


[FilterLink Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help











FilterLink Methods

The methods of the **FilterLink** class are listed below. For a complete list of **FilterLink** class members, see the [FilterLink Members](#) topic.















Public Instance Methods







 CreateChild (inherited from

Overloaded.

Microsoft.BusinessFramework.Entity.BusinessEntity)	
 Equals (Inherited from Object)	Determines whether the specified <u>Object</u> is equal to the current <u>Object</u> .
 GetHashCode (Inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 GetKey	
 GetProperty (Inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 GetType (Inherited from Object)	Gets the <u>Type</u> of the current instance.
 IsValid (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 OnDeserialization (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 RequestValidation	Request validation of filter link during save.
 SetHasChanged (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 ToString (Inherited from Object)	Returns a <u>String</u> that represents the current <u>Object</u> .

Protected Instance Methods

 Finalize (Inherited from Object)	Allows an <u>Object</u> to attempt to free resources and perform other cleanup operations before the <u>Object</u> is reclaimed by garbage collection.
 GetService (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	Overloaded.
 GetService (Inherited from Microsoft.BusinessFramework.Agent.ServiceProvider)	Overloaded.
 InvokeDefaulting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 InvokeValidating (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 MemberwiseClone (Inherited from Object)	Creates a shallow copy of the current <u>Object</u> .
 OnCreated (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnDefaulting (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 OnDeleted (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnDeleting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnFound (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnInserted (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnInserting	
 OnPropertyValueChanged (Inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.

 OnPropertyValueChanging (inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 OnServiceDefaulting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnServiceValidating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnUpdated (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnUpdating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnValidating (inherited from Microsoft.BusinessFramework.Agent.Agent)	

Protected Internal Instance Methods

 SetValidationMode (inherited from Microsoft.BusinessFramework.Agent.Agent)
--

Explicit Interface Implementations

 IActivityConsumer.GetActivityContext (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IActivityConsumer.SetActivityContext (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IAgent.Defaulting (inherited from Microsoft.BusinessFramework.Agent.Agent)
 IAgent.SetPropertyBindingManager (inherited from Microsoft.BusinessFramework.Agent.Agent)
 IAgent.Validating (inherited from Microsoft.BusinessFramework.Agent.Agent)
 IEntity.Created (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IEntity.Deleted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IEntity.Deleting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IEntity.Found (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IEntity.Inserted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IEntity.Inserting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IEntity.ServiceDefaulting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IEntity.SetKey (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IEntity.Updated (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IEntity.Updating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)

See Also

[FilterLink Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterLink.GetKey Method**

```
new public Key GetKey();
```

See Also

[FilterLink Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterLink.OnInserting Method**

```
protected override void OnInserting(
    EntityEventArgs args
);
```

See Also

[FilterLink Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterLink.RequestValidation Method**

Request validation of filter link during save.

```
public void RequestValidation(
    Type filterableType,
    Type filterableContainerType,
    bool validateFilterable,
    bool validateFilterableContainer
);
```

Parameters

filterableType

Type of filterable entity for this link.

filterableContainerType

Type of filterable container for this link.

validateFilterable

Validate the existance filterable entity during save.

validateFilterableContainer

Validate the existance filterable container during save.

See Also

[FilterLink Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterLink.Key Class**

EntityKey class for FilterLink.

For a list of all members of this type, see [FilterLink.Key Members](#).

[System.Object](#)

[ClassKey](#)

[EntityKey](#)

FilterLink.Key

```
public abstract class FilterLink.Key : EntityKey
```

Requirements

Namespace: [Microsoft.Business.Common.OrganizationStructure](#)










Assembly: Microsoft.Business.Common (in Microsoft.Business.Common.dll)

See Also











[FilterLink.Key Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterLink.Key Members**


FilterLink.Key overview**Public Instance Properties**

 ClassType (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 FilterableContainerID
 FilterableID
 IsEntityCached (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IsEntityReadOnly (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IsEntitySerializable (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 Options (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 Parent (Inherited from Microsoft.BusinessFramework.ClassKey)
 Properties (Inherited from Microsoft.BusinessFramework.ClassKey)


Public Instance Methods

 Clone (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	Overloaded.
 CopyFromEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 CopyToEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 Equals (Inherited from Microsoft.BusinessFramework.ClassKey)	
 GetEntity	
 GetGuid (Inherited from Microsoft.BusinessFramework.ClassKey)	
 GetHashCode (Inherited from Microsoft.BusinessFramework.ClassKey)	
 GetType (Inherited from Object)	Gets the <u>Type</u> of the current instance.
 ReleaseEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 ToString (Inherited from Microsoft.BusinessFramework.ClassKey)	Overloaded.

Protected Instance Constructors






 FilterLink.Key	Overloaded. Initializes a new instance of the FilterLink.Key class.
---	---

Protected Instance Properties


 CanCacheValues (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)

Protected Instance Methods






--	--

 Finalize (inherited from Object)	Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection.
 MemberwiseClone (inherited from Object)	Creates a shallow copy of the current Object .
 SetParent (inherited from Microsoft.BusinessFramework.ClassKey)	
 SetType (inherited from Microsoft.BusinessFramework.ClassKey)	
 ShouldFixUpContainmentHierarchy (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	

Protected Internal Instance Constructors

 FilterLink.Key	Overloaded. Initializes a new instance of the FilterLink.Key class.
---	---

Explicit Interface Implementations

 IActivityConsumer.GetActivityContext (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 IActivityConsumer.SetActivityContext (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 IDeserializationCallback.OnDeserialization (inherited from Microsoft.BusinessFramework.ClassKey)	
 IInternalKey.SetEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 IInternalKey.SetParent (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	

See Also

[FilterLink.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterLink.Key Constructor**

Initializes a new instance of the Key class.

Overload List

Initializes a new instance of the Key class.

`protected FilterLink.Key();`

`protected internal FilterLink.Key(Guid, Guid, IKey);`

See Also

[FilterLink.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterLink.Key Constructor ()**

Initializes a new instance of the Key class.

```
protected FilterLink.Key();
```

See Also

[FilterLink.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterLink.Key Constructor Overload List](#)

*Common Help***FilterLink.Key Constructor (Guid, Guid, IKey)**

```
protected internal FilterLink.Key(
    Guid filterableID,
    Guid filterableContainerID,
    IKey parent
```

> i

See Also










[FilterLink.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterLink.Key Constructor Overload List](#)

Common Help


FilterLink.Key Properties

The properties of the **FilterLink.Key** class are listed below. For a complete list of **FilterLink.Key** class members, see the [FilterLink.Key Members](#) topic.

Public Instance Properties

 ClassType (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 FilterableContainerID
 FilterableID
 IsEntityCached (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IsEntityReadOnly (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IsEntitySerializable (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 Options (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 Parent (inherited from Microsoft.BusinessFramework.ClassKey)
 Properties (inherited from Microsoft.BusinessFramework.ClassKey)

Protected Instance Properties

 CanCacheValues (inherited from Microsoft.BusinessFramework.Entity.EntityKey)

See Also

[FilterLink.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FilterLink.Key.FilterableContainerID Property

```
public System.Guid FilterableContainerID {get;}
```

See Also

[FilterLink.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FilterLink.Key.FilterableID Property

```
public System.Guid FilterableID {get;}
```

See Also











[FilterLink.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help






FilterLink.Key Methods

The methods of the **FilterLink.Key** class are listed below. For a complete list of **FilterLink.Key** class members, see the [FilterLink.Key Members](#) topic.






Public Instance Methods

 Clone (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	Overloaded.
 CopyFromEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 CopyToEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 Equals (inherited from Microsoft.BusinessFramework.ClassKey)	
 GetEntity	
 GetGuid (inherited from Microsoft.BusinessFramework.ClassKey)	
 GetHashCode (inherited from Microsoft.BusinessFramework.ClassKey)	
 GetType (inherited from Object)	Gets the <u>Type</u> of the current instance.
 ReleaseEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	Overloaded.
 ToString (inherited from Microsoft.BusinessFramework.ClassKey)	

Protected Instance Methods

 Finalize (inherited from Object)	Allows an <u>Object</u> to attempt to free resources and perform other cleanup operations before the <u>Object</u> is reclaimed by garbage collection.
 MemberwiseClone (inherited from Object)	Creates a shallow copy of the current <u>Object</u> .
 SetParent (inherited from Microsoft.BusinessFramework.ClassKey)	
 SetType (inherited from Microsoft.BusinessFramework.ClassKey)	
 ShouldFixUpContainmentHierarchy (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	

Explicit Interface Implementations

 IActivityConsumer.GetActivityContext (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 IActivityConsumer.SetActivityContext (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 IDeserializationCallback.OnDeserialization (inherited from Microsoft.BusinessFramework.ClassKey)	
 IInternalKey.SetEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 IInternalKey.SetParent (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	

See Also

[FilterLink.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help**FilterLink.Key.GetEntity Method**

```
new public FilterLink GetEntity();
```

See Also

[FilterLink.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterLinkAttribute Class**

Specifies details of filtering for filter link.

For a list of all members of this type, see [FilterLinkAttribute Members](#).

[System.Object](#)

[Attribute](#)

[BusinessFrameworkAttribute](#)

FilterLinkAttribute

```
public sealed class FilterLinkAttribute : BusinessFrameworkAttribute
```

Remarks

Should be applied to classes that implement [IFilterLink](#).

Requirements

Namespace: [Microsoft.Business.Common.OrganizationStructure](#)

Assembly: Microsoft.Business.Common (in Microsoft.Business.Common.dll)


See Also

[FilterLinkAttribute Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)



*Common Help***FilterLinkAttribute Members**

[FilterLinkAttribute overview](#)







Public Instance Constructors

 FilterLinkAttribute Constructor	Initializes a new instance of the FilterLinkAttribute class.
--	--



Public Instance Properties

 FilterableContainerType	Gets or sets type of filterable containers for decorated filter link class.
 TypeId (inherited from Attribute)	When implemented in a derived class, gets a unique identifier for this Attribute .

Public Instance Methods

 Equals (inherited from Attribute)	
 GetHashCode (inherited from Attribute)	Returns the hash code for this instance.
 GetType (inherited from Object)	Gets the Type of the current instance.
 IsDefaultAttribute (inherited from Attribute)	When overridden in a derived class, returns an indication whether the value of this instance is the default value for the derived class.
 Match (inherited from Attribute)	When overridden in a derived class, returns a value indicating whether this instance equals a specified object.
 ToString (inherited from Object)	Returns a String that represents the current Object .

Protected Instance Methods

 Finalize (inherited from Object)	Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection.
 MemberwiseClone (inherited from Object)	Creates a shallow copy of the current Object .

See Also

[FilterLinkAttribute Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FilterLinkAttribute Constructor

Initializes a new Instance of the FilterLinkAttribute class.

```
public FilterLinkAttribute();
```

See Also



[FilterLinkAttribute Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FilterLinkAttribute Properties

The properties of the **FilterLinkAttribute** class are listed below. For a complete list of **FilterLinkAttribute** class members, see the [FilterLinkAttribute Members](#) topic.

Public Instance Properties

 FilterableContainerType	Gets or sets type of filterable containers for decorated filter link class.
 TypeId (Inherited from Attribute)	When implemented in a derived class, gets a unique identifier for this Attribute .

See Also

[FilterLinkAttribute Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FilterLinkAttribute.FilterableContainerType Property

Gets or sets type of filterable containers for decorated filter link class.

```
public System.Type FilterableContainerType {get; set;}
```

See Also

[FilterLinkAttribute Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FilterLinkFactory Class

Factory of filter links.

For a list of all members of this type, see [FilterLinkFactory Members](#).

[System.Object](#)
[ServiceProvider](#)
FilterLinkFactory

```
public class FilterLinkFactory : ServiceProvider, IFilterLinkFactory
```

Requirements

Namespace: [Microsoft.Business.Common.OrganizationStructure](#)

Assembly: Microsoft.Business.Common (in Microsoft.Business.Common.dll)

See Also


[FilterLinkFactory Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help




FilterLinkFactory Members





















[FilterLinkFactory overview](#)

Public Static Methods


 Create	Overloaded. Creates a new factory that can serve links of certain type.
--	---

Public Instance Methods




 ChangeLevel	Changes level of filter links.
 CopyAll	Copies links linked to one filterable container to another filterable container.
 Create	Overloaded. Creates an instance of link.

 Delete	Deletes the link.
 DeleteAll	Deletes all links.
 DeleteAllForContainer	Deletes all links linked to given filterable container.
 DeleteAllForFilterable	Overloaded. Deletes all links linked to given filterable entity.
 Equals (inherited from Object)	Determines whether the specified Object is equal to the current Object .
 Find	Finds the link.
 FindAllForContainer	Finds all filterable entities linked to given filterable container.
 FindAllForFilterable	Finds all filterable containers linked to given filterable entity.
 GetHashCode (inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 GetType (inherited from Object)	Gets the Type of the current instance.
 Initialize	Initializes the factory.
 IsEmpty	Checks if this factory contains any links.
 IsLinked	Checks if given link exists.
 IsLinkedToAnyContainer	Checks if a link exists that links given filterable entity to any filterable container.
 IsLinkedToAnyFilterable	Checks if any link exists that links any filterable entity to given filterable container.
 IsLinkedToAnyOtherContainer	Overloaded. Checks if any links exist that link any filterable entity to a filterable container that does not belong to the specified set.
 MoveAll	Moves links linked to one filterable container to another filterable container.
 Save	Overloaded. Saves the link.
 SaveAll	Saves multiple links.
 ToString (inherited from Object)	Returns a String that represents the current Object .

Protected Instance Constructors

 FilterLinkFactory_Constructor	Creates a new instance of the FilterLinkFactory class.
---	--

Protected Instance Methods

 Finalize (inherited from Object)	Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection.
 GetService (inherited from Microsoft.BusinessFramework.Agent.ServiceProvider)	
 MemberwiseClone (inherited from Object)	Creates a shallow copy of the current Object .

See Also

[FilterLinkFactory Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help**FilterLinkFactory Constructor**

Creates a new instance of the [FilterLinkFactory](#) class.

```
protected FilterLinkFactory();
```

Remarks

Call [Initialize](#) method to complete an initialization of the instance.


See Also

[FilterLinkFactory Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)
























*Common Help***FilterLinkFactory Methods**

The methods of the **FilterLinkFactory** class are listed below. For a complete list of **FilterLinkFactory** class members, see the [FilterLinkFactory Members](#) topic.




Public Static Methods

 Create	Overloaded. Creates a new factory that can serve links of certain type.
--	---

Public Instance Methods

 ChangeLevel	Changes level of filter links.
 CopyAll	Copies links linked to one filterable container to another filterable container.
 Create	Overloaded. Creates an instance of link.
 Delete	Deletes the link.
 DeleteAll	Deletes all links.
 DeleteAllForContainer	Deletes all links linked to given filterable container.
 DeleteAllForFilterable	Overloaded. Deletes all links linked to given filterable entity.
 Equals (inherited from Object)	Determines whether the specified Object is equal to the current Object .
 Find	Finds the link.
 FindAllForContainer	Finds all filterable entities linked to given filterable container.
 FindAllForFilterable	Finds all filterable containers linked to given filterable entity.
 GetHashCode (inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 GetType (inherited from Object)	Gets the Type of the current instance.
 Initialize	Initializes the factory.
 IsEmpty	Checks if this factory contains any links.
 IsLinked	Checks if given link exists.
 IsLinkedToAnyContainer	Checks if a link exists that links given filterable entity to any filterable container.
 IsLinkedToAnyFilterable	Checks if any link exists that links any filterable entity to given filterable container.
 IsLinkedToAnyOtherContainer	Overloaded. Checks if any links exist that link any filterable entity to a filterable container that does not belong to the specified set.
 MoveAll	Moves links linked to one filterable container to another filterable container.
 Save	Overloaded. Saves the link.
 SaveAll	Saves multiple links.
 ToString (inherited from Object)	Returns a String that represents the current Object .

Protected Instance Methods

 Finalize (Inherited from Object)	Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection.
 GetService (Inherited from Microsoft.BusinessFramework.Agent.ServiceProvider)	
 MemberwiseClone (Inherited from Object)	Creates a shallow copy of the current Object .

See Also

[FilterLinkFactory Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterLinkFactory.ChangeLevel Method**

Changes level of filter links.

```
public void ChangeLevel(
    FilterLevel oldLevel,
    FilterLevel newLevel
);
```

Parameters

oldLevel
Level to change from

newLevel
Level to change to

Implements

[IFilterLinkFactory.ChangeLevel](#)

Remarks

The resulting links will be calculated according to any existing descendants of [PersistentTree](#) that have [FilterAttached](#) set to true in [Options](#) property of [PersistentTreeAttribute](#).

See Also

[FilterLinkFactory Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterLinkFactory.CopyAll Method**

Copies links linked to one filterable container to another filterable container.

```
public void CopyAll(
    Guid fromFilterableContainerID,
    Guid toFilterableContainerID
);
```

Parameters

fromFilterableContainerID
ID of the filterable container to copy links from

toFilterableContainerID
ID of the filterable container to copy links to

Implements

[IFilterLinkFactory.CopyAll](#)

See Also

[FilterLinkFactory Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterLinkFactory.Create Method**

Creates an instance of link.

Overload List

Creates an instance of link.

```
public IFilterLink Create(Guid,Guid);
```


Creates a new factory that can serve links of certain type.

```
public static FilterLinkFactory Create(Type,Type,bool);
```

See Also

[FilterLinkFactory Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FilterLinkFactory.Create Method (Guid, Guid)

Creates an instance of link.

```
public IFilterLink Create(  
    Guid filterableID,  
    Guid filterableContainerID  
);
```

Parameters

filterableID

ID of the linked filterable entity

filterableContainerID

ID of the linked filterable container

Return Value

Filter link that links given filterable entity and filterable container.

Implements

[IFilterLinkFactory.Create](#)

Remarks

The link is not yet saved to data store.

See Also

[FilterLinkFactory Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterLinkFactory.Create Overload List](#)

Common Help

FilterLinkFactory.Create Method (Type, Type, Boolean)

Creates a new factory that can serve links of certain type.

```
public static FilterLinkFactory Create(  
    Type filterLinkType,  
    Type filterableType,  
    bool isStorageShared  
);
```

Parameters

filterLinkType

Type of links the factory can serve.

filterableType

Type of filterable entities that are linked by given link type.

isStorageShared

Return Value

See Also

[FilterLinkFactory Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterLinkFactory.Create Overload List](#)

Common Help

FilterLinkFactory.Delete Method

Deletes the link.

```
public void Delete(  
    Guid filterableID,  
    Guid filterableContainerID  
);
```

Parameters

filterableID

ID of the linked filterable entity

filterableContainerID

ID of the linked filterable container

Implements[IFilterLinkFactory.Delete](#)**Remarks**

The link is deleted if it exists. If the link does not exist no exception is thrown.

See Also[FilterLinkFactory Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)*Common Help***FilterLinkFactory.DeleteAll Method**

Deletes all links.

```
public void DeleteAll();
```

Implements[IFilterLinkFactory.DeleteAll](#)**See Also**[FilterLinkFactory Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)*Common Help***FilterLinkFactory.DeleteAllForContainer Method**

Deletes all links linked to given filterable container.

```
public void DeleteAllForContainer(  
    Guid filterableContainerID  
);
```

Parameters

filterableContainerID
ID of the filterable container

Implements[IFilterLinkFactory.DeleteAllForContainer](#)**See Also**[FilterLinkFactory Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)*Common Help***FilterLinkFactory.DeleteAllForFilterable Method**

Deletes all links linked to given filterable entity.

Overload List

Deletes all links linked to given filterable entity.

```
public void DeleteAllForFilterable(Guid);
```

Deletes all links linked to given filterable entity and any of given filterable containers.

```
public void DeleteAllForFilterable(Guid, GuidCollection);
```

See Also[FilterLinkFactory Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)*Common Help***FilterLinkFactory.DeleteAllForFilterable Method (Guid)**

Deletes all links linked to given filterable entity.

```
public void DeleteAllForFilterable(  
    Guid filterableID  
);
```

Parameters

filterableID
of the filterable entity

Implements

[IFilterLinkFactory.DeleteAllForFilterable](#)

See Also

[FilterLinkFactory Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterLinkFactory.DeleteAllForFilterable Overload List](#)

Common Help

FilterLinkFactory.DeleteAllForFilterable Method (Guid, GuidCollection)

Deletes all links linked to given filterable entity and any of given filterable containers.

```
public void DeleteAllForFilterable(  
    Guid filterableID,  
    GuidCollection containers  
);
```

Parameters

filterableID
ID of the filterable entity

containers
IDs of filterable containers

Implements

[IFilterLinkFactory.DeleteAllForFilterable](#)

See Also

[FilterLinkFactory Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterLinkFactory.DeleteAllForFilterable Overload List](#)

Common Help

FilterLinkFactory.Find Method

Finds the link.

```
public IFilterLink Find(  
    Guid filterableID,  
    Guid filterableContainerID  
);
```

Parameters

filterableID
ID of the linked filterable entity

filterableContainerID
ID of the linked filterable container

Return Value

Filter link if it exists in data store; otherwise null

Implements

[IFilterLinkFactory.Find](#)

See Also

[FilterLinkFactory Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FilterLinkFactory.FindAllForContainer Method

Finds all filterable entities linked to given filterable container.

```
public GuidCollection FindAllForContainer(  
    Guid filterableContainerID  
);
```

Parameters

filterableContainerID
ID of the filterable container

Return Value

IDs of filterable entities linked to filterable container.

Implements

[IFilterLinkFactory.FindAllForContainer](#)

See Also

[FilterLinkFactory Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FilterLinkFactory.FindAllForFilterable Method

Finds all filterable containers linked to given filterable entity.

```
public GuidCollection FindAllForFilterable(  
    Guid filterableID  
) ;
```

Parameters

filterableID
ID of the filterable entity

Return Value

IDs of filterable containers linked to filterable entity.

Implements

[IFilterLinkFactory.FindAllForFilterable](#)

See Also

[FilterLinkFactory Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FilterLinkFactory.Initialize Method

Initializes the factory.

```
public void Initialize(  
    Type filterLinkType,  
    Type filterableType,  
    bool isStorageShared  
) ;
```

Parameters

filterLinkType
Filter link type of the factory
filterableType
Filterable type of the factory
isStorageShared

Implements

[IFilterLinkFactory.Initialize](#)

Remarks

Initialize should be called before calling any other method.

See Also

[FilterLinkFactory Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FilterLinkFactory.IsEmpty Method

Checks if this factory contains any links.

```
public bool IsEmpty();
```

Return Value

True if no link exists; false otherwise.

Implements

[IFilterLinkFactory.IsEmpty](#)

See Also

[FilterLinkFactory Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FilterLinkFactory.IsLinked Method

Checks if given link exists.

```
public bool IsLinked(  
    Guid filterableID,  
    Guid filterableContainerID  
) {  
}
```

Parameters

filterableID

ID of the linked filterable entity

filterableContainerID

ID of the linked filterable container

Return Value

True if the links exists; false otherwise.

Implements

[IFilterLinkFactory.IsLinked](#)

See Also

[FilterLinkFactory Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FilterLinkFactory.IsLinkedToAnyContainer Method

Checks if a link exists that links given filterable entity to any filterable container.

```
public bool IsLinkedToAnyContainer(  
    Guid filterableID  
) {  
}
```

Parameters

filterableID

ID of the filterable entity

Return Value

True if any filterable container is linked to given filterable entity; false otherwise.

Implements

[IFilterLinkFactory.IsLinkedToAnyContainer](#)

See Also

[FilterLinkFactory Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FilterLinkFactory.IsLinkedToAnyFilterable Method

Checks if any link exists that links any filterable entity to given filterable container.

```
public bool IsLinkedToAnyFilterable(  
    Guid filterableContainerID  
) {  
}
```

Parameters

filterableContainerID

ID of the filterable container

Return Value

True if any filterable entity is linked to given filterable container; false otherwise.

Implements

[IFilterLinkFactory.IsLinkedToAnyFilterable](#)

See Also

[FilterLinkFactory Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FilterLinkFactory.IsLinkedToAnyOtherContainer Method

Checks if any links exist that link any filterable entity to a filterable container that does not belong to the specified set.

Overload List

Checks if any links exist that link any filterable entity to a filterable container that does not belong to the specified set.

`public bool IsLinkedToAnyOtherContainer(GuidCollection);`

Checks if any link exists that links given filterable entity to any filterable container outside of given set.

`public bool IsLinkedToAnyOtherContainer(Guid, GuidCollection);`

See Also

[FilterLinkFactory Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FilterLinkFactory.IsLinkedToAnyOtherContainer Method (GuidCollection)

Checks if any links exist that link any filterable entity to a filterable container that does not belong to the specified set.

```
public bool IsLinkedToAnyOtherContainer(
    GuidCollection containers
);
```

Parameters

containers
IDs of filterable containers

Return Value

True if there is any link to a filterable container that does not belong to the specified set; false otherwise.

Implements

[IFilterLinkFactory.IsLinkedToAnyOtherContainer](#)

See Also

[FilterLinkFactory Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterLinkFactory.IsLinkedToAnyOtherContainer Overload List](#)

Common Help

FilterLinkFactory.IsLinkedToAnyOtherContainer Method (Guid, GuidCollection)

Checks if any link exists that links given filterable entity to any filterable container outside of given set.

```
public bool IsLinkedToAnyOtherContainer(
    Guid filterableID,
    GuidCollection containers
);
```

Parameters

filterableID
ID of the filterable entity

containers
IDs of filterable containers

Return Value

True if there are any links within this filter that link given filterable entity to any filterable container outside of specified set; false otherwise.

Implements

[IFilterLinkFactory.IsLinkedToAnyOtherContainer](#)

See Also

[FilterLinkFactory Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterLinkFactory.IsLinkedToAnyOtherContainer Overload List](#)

Common Help

FilterLinkFactory.MoveAll Method

Moves links linked to one filterable container to another filterable container.

```
public void MoveAll(
    Guid fromFilterableContainerID,
    Guid toFilterableContainerID
);
```

Parameters

fromFilterableContainerID
ID of the filterable container to move links from

toFilterableContainerID
ID of the filterable container to move links to

Implements

[IFilterLinkFactory.MoveAll](#)

See Also

[FilterLinkFactory Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FilterLinkFactory.Save Method

Saves the link.

Overload List

Saves the link.

```
public void Save(IFilterLink, bool, bool);
```

Saves the link.

```
public void Save(Guid, Guid, bool);
```

See Also

[FilterLinkFactory Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FilterLinkFactory.Save Method (IFilterLink, Boolean, Boolean)

Saves the link.

```
public void Save(  
    IFilterLink link,  
    bool validateFilterable,  
    bool validateFilterableContainer  
) {  
}
```

Parameters

link
Filter link to be saved

validateFilterable
If true then existence of the filterable entity will be checked before saving the link

validateFilterableContainer
If true then existence of the filterable container will be checked before saving the link

Implements

[IFilterLinkFactory.Save](#)

Exceptions

Exception Type	Condition
EntityInvalidException	Thrown if validation of filterable entity was requested and the validation was not succesful. Thrown if validation of filterable container was requested and the validation was not succesful.

See Also

[FilterLinkFactory Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterLinkFactory.Save Overload List](#)

Common Help

FilterLinkFactory.Save Method (Guid, Guid, Boolean)

Saves the link.

```
public void Save(  
    Guid filterableID,  
    Guid filterableContainerID,  
    bool validateFilterable  
) {  
}
```

Parameters

filterableID

ID of the linked filterable entity

filterableContainerID

ID of the linked filterable container

validateFilterable

If true then existence of the filterable entity will be checked before saving the link

Implements[IFilterLinkFactory.Save](#)**Remarks**

The link is created only for existing filterable container. If filterable container does not exist the link will not be created. No exception will be thrown in this case.

Exceptions

Exception Type	Condition
EntityInvalidException	Thrown if validation of filterable entity was requested and the validation was not succesful.

See Also[FilterLinkFactory Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterLinkFactory.Save Overload List](#)*Common Help***FilterLinkFactory.SaveAll Method**

Saves multiple links.

```
public void SaveAll(  
    Guid filterableID,  
    GuidCollection filterableContainers,  
    bool validateFilterable  
) {  
}
```

Parameters**filterableID**

ID of the linked filterable entity

filterableContainers

IDs of linked filterable containers

validateFilterable

If true then existence of the filterable entity will be checked before saving the link

Implements[IFilterLinkFactory.SaveAll](#)**Remarks**

The links are created only for existing filterable containers. If filterable container does not exist the link will not be created. No exception will be thrown in this case.

Exceptions

Exception Type	Condition
EntityInvalidException	Thrown if validation of filterable entity was requested and the validation was not succesful.

See Also[FilterLinkFactory Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)*Common Help***FilterMaintenance Enumeration**

Represents different ways of maintaining filter when a related persistent tree changes.

```
public enum FilterMaintenance
```

Members

Member Name	Description
Automatic	

Custom

Requirements**Namespace:** [Microsoft.Business.Common.OrganizationStructure](#)**Assembly:** Microsoft.Business.Common (in Microsoft.Business.Common.dll)**See Also**[Microsoft.Business.Common.OrganizationStructure Namespace](#)*Common Help***FilterManager Class**

















Helper used for all operations involving filter links.











For a list of all members of this type, see [FilterManager Members](#).

[System.Object](#)
[ServiceProvider](#)
FilterManager





```
public sealed class FilterManager : ServiceProvider
```

Requirements**Namespace:** [Microsoft.Business.Common.OrganizationStructure](#)**Assembly:** Microsoft.Business.Common (in Microsoft.Business.Common.dll)**See Also**[FilterManager Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)*Common Help***FilterManager Members**[FilterManager overview](#)**Public Static Methods**




 CopyAll	Overloaded. Copies links linked to one filterable container to another filterable container for all filters on given level.
 Create	Overloaded. Creates filter link.
 Delete	Overloaded. Deletes filter link.
 DeleteAll	Overloaded. Deletes all links for given filter.
 DeleteAllForContainer	Overloaded. Deletes all filter links that are linked to given filterable container.
 DeleteAllForFilterable	Overloaded. Deletes all filter links linked to given filterable entity within given boundaries.
 Find	Overloaded. Finds specified filter link.
 FindAllForContainer	Overloaded. Finds all filterable entities linked to given filterable container within given filter.
 FindAllForFilterable	Overloaded. Finds all filterable containers linked to given filterable entity within given filter.
 GetFilter	Gets specified filter.
 GetFilterLevel	Gets the level of specified filter.
 GetFilterSecurityLevel	Gets the security level of specified filter.
 GetFiltersForContainerType	Gets filters for given filterableContainerType.
 GetFiltersForFilterableType	Gets filters for given filterableType.
 IsLinked	Overloaded. Checks existence of given link.
 IsLinkedToAnyContainer	Overloaded. Checks if there are any filterable containers linked to given filterable entity.

 IsLinkedToAnyFilterable	Overloaded. Checks if there are any filterable entities linked to given filterable container.
 IsLinkedToAnyOtherContainer	Overloaded. Checks if there are any filter links to given filterable entity that are not linked to given filterable containers.
 MoveAll	Overloaded. Moves links linked to one filterable container to another filterable container for all filters on given level.
 PassFilterLevelSetter	Not for external use.
 PassFilterSecurityLevelSetter	Not for external use.
 PassFilterVirtualCollection	Not for external use.
 Save	Overloaded. Saves filter link.
 SaveAll	Overloaded. Saves multiple filter links.
 SetFilterLevel	Change level of specified filter.
 SetFilterSecurityLevel	Change security level of specified filter.

Public Instance Methods

 Equals (inherited from Object)	Determines whether the specified Object is equal to the current Object .
 GetHashCode (inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 GetType (inherited from Object)	Gets the Type of the current instance.
 ToString (inherited from Object)	Returns a String that represents the current Object .

Protected Instance Methods

 Finalize (inherited from Object)	Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection.
 GetService (inherited from Microsoft.BusinessFramework.Agent.ServiceProvider)	
 MemberwiseClone (inherited from Object)	Creates a shallow copy of the current Object .







See Also





















[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help**FilterManager Methods**





The methods of the **FilterManager** class are listed below. For a complete list of **FilterManager** class members, see the [FilterManager Members](#) topic.

Public Static Methods




 CopyAll	Overloaded. Copies links linked to one filterable container to another filterable container for all filters on given level.
 Create	Overloaded. Creates filter link.
 Delete	Overloaded. Deletes filter link.
 DeleteAll	Overloaded. Deletes all links for given filter.
 DeleteAllForContainer	Overloaded. Deletes all filter links that are linked to given filterable container.
 DeleteAllForFilterable	Overloaded. Deletes all filter links linked to given filterable entity within given boundaries.

 Find	Overloaded. Finds specified filter link.
 FindAllForContainer	Overloaded. Finds all filterable entities linked to given filterable container within given filter.
 FindAllForFilterable	Overloaded. Finds all filterable containers linked to given filterable entity within given filter.
 GetFilter	Gets specified filter.
 GetFilterLevel	Gets the level of specified filter.
 GetFilterSecurityLevel	Gets the security level of specified filter.
 GetFiltersForContainerType	Gets filters for given filterableContainerType.
 GetFiltersForFilterableType	Gets filters for given filterableType.
 IsLinked	Overloaded. Checks existence of given link.
 IsLinkedToAnyContainer	Overloaded. Checks if there are any filterable containers linked to given filterable entity.
 IsLinkedToAnyFilterable	Overloaded. Checks if there are any filterable entities linked to given filterable container.
 IsLinkedToAnyOtherContainer	Overloaded. Checks if there are any filter links to given filterable entity that are not linked to given filterable containers.
 MoveAll	Overloaded. Moves links linked to one filterable container to another filterable container for all filters on given level.
 PassFilterLevelSetter	Not for external use.
 PassFilterSecurityLevelSetter	Not for external use.
 PassFilterVirtualCollection	Not for external use.
 Save	Overloaded. Saves filter link.
 SaveAll	Overloaded. Saves multiple filter links.
 SetFilterLevel	Change level of specified filter.
 SetFilterSecurityLevel	Change security level of specified filter.

Public Instance Methods

 Equals (inherited from Object)	Determines whether the specified Object is equal to the current Object .
 GetHashCode (inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 GetType (inherited from Object)	Gets the Type of the current instance.
 ToString (inherited from Object)	Returns a String that represents the current Object .

Protected Instance Methods

 Finalize (inherited from Object)	Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection.
 GetService (inherited from Microsoft.BusinessFramework.Agent.ServiceProvider)	
 MemberwiseClone (inherited from Object)	Creates a shallow copy of the current Object .

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FilterManager.CopyAll Method

Copies links linked to one filterable container to another filterable container for all filters on given level.

Overload List

Copies links linked to one filterable container to another filterable container for all filters on given level.

```
public static void CopyAll(FilterLevel, IIdentifiable, IIdentifiable);
```

Copies links linked to one filterable container to another filterable container for all filters on given level.

```
public static void CopyAll(FilterLevel, IIdentifiable, IIdentifiable, FilterMaintenance);
```

Copies links linked to one filterable container to another filterable container for all filters on given level.

```
public static void CopyAll(FilterLevel, Type, Guid, Guid);
```

Copies links linked to one filterable container to another filterable container for all filters on given level.

```
public static void CopyAll(FilterLevel, Type, Guid, Guid, FilterMaintenance);
```

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FilterManager.CopyAll Method (FilterLevel, IIdentifiable, IIdentifiable)

Copies links linked to one filterable container to another filterable container for all filters on given level.

```
public static void CopyAll(
    FilterLevel filterLevel,
    IIdentifiable fromFilterableContainer,
    IIdentifiable toFilterableContainer
);
```

Parameters

filterLevel

Level of the filter

fromFilterableContainer

Filterable container to copy links from

toFilterableContainer

Filterable container to copy links to

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.CopyAll Overload List](#)

Common Help

FilterManager.CopyAll Method (FilterLevel, IIdentifiable, IIdentifiable, FilterMaintenance)

Copies links linked to one filterable container to another filterable container for all filters on given level.

```
public static void CopyAll(
    FilterLevel filterLevel,
    IIdentifiable fromFilterableContainer,
    IIdentifiable toFilterableContainer,
    FilterMaintenance limitTo
);
```

Parameters

filterLevel

Level of the filter

fromFilterableContainer

Filterable container to copy links from

toFilterableContainer

Filterable container to copy links to

limitTo

Limit the move to filters that have the specified filter maintenance set.

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.CopyAll Overload List](#)

Common Help

FilterManager.CopyAll Method (FilterLevel, Type, Guid, Guid)

Copies links linked to one filterable container to another filterable container for all filters on given level.

```

public static void CopyAll(
    FilterLevel filterLevel,
    Type filterableContainerType,
    Guid fromFilterableContainerID,
    Guid toFilterableContainerID
);

```

Parameters

filterLevel
Level of the filter

filterableContainerType
Type of filterable containers

fromFilterableContainerID
ID of filterable container to copy links from

toFilterableContainerID
ID of filterable container to copy links to

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.CopyAll Overload List](#)

*Common Help***FilterManager.CopyAll Method (FilterLevel, Type, Guid, Guid, FilterMaintenance)**

Copies links linked to one filterable container to another filterable container for all filters on given level.

```

public static void CopyAll(
    FilterLevel filterLevel,
    Type filterableContainerType,
    Guid fromFilterableContainerID,
    Guid toFilterableContainerID,
    FilterMaintenance limitTo
);

```

Parameters

filterLevel
Level of the filter

filterableContainerType
Type of filterable containers

fromFilterableContainerID
ID of filterable container to copy links from

toFilterableContainerID
ID of filterable container to copy links to

limitTo
Limit the move to filters that have the specified filter maintenance set.

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.CopyAll Overload List](#)

*Common Help***FilterManager.Create Method**

Creates filter link.

Overload List

Creates filter link.

```
public static IFilterLink Create(IIdentifiable,IIdentifiable);
```

Creates filter link.

```
public static IFilterLink Create(Type,Guid,Type,Guid);
```

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterManager.Create Method (IIdentifiable, IIdentifiable)**

Creates filter link.

```

public static IFilterLink Create(
    IIdentifiable filterable,
    IIdentifiable filterableContainer
);

```

```
};
```

Parameters*filterable*

Filterable entity to be linked

filterableContainer

Filterable container to be linked

Return Value

Created filter link.

Remarks

Created filter link is not yet saved in data store.

See Also
[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.Create Overload List](#)
*Common Help***FilterManager.Create Method (Type, Guid, Type, Guid)**

Creates filter link.

```
public static IFilterLink Create(
    Type filterableType,
    Guid filterableID,
    Type filterableContainerType,
    Guid filterableContainerID
);
```

Parameters*filterableType*

Type of filterable entity to be linked

filterableID

ID of filterable entity to be linked

filterableContainerType

Type of filterable container to be linked

filterableContainerID

ID of filterable container to be linked

Return Value

Created filter link.

See Also
[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.Create Overload List](#)
*Common Help***FilterManager.Delete Method**

Deletes filter link.

Overload List

Deletes filter link.

```
public static void Delete(IIdentifiable,IIdentifiable);
```

Deletes filter link.

```
public static void Delete(Type,Guid,Type,Guid);
```

See Also
[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)
*Common Help***FilterManager.Delete Method (IIdentifiable, IIdentifiable)**

Deletes filter link.

```
public static void Delete(
    IIdentifiable filterable,
    IIdentifiable filterableContainer
);
```

Parameters*filterable*

Filterable entity linked by the filter link

filterableContainer

Filterable container linked by the filter link

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.Delete Overload List](#)

Common Help

FilterManager.Delete Method (Type, Guid, Type, Guid)

Deletes filter link.

```
public static void Delete(
    Type filterableType,
    Guid filterableID,
    Type filterableContainerType,
    Guid filterableContainerID
);
```

Parameters

filterableType

Type of linked filterable entity

filterableID

ID of linked filterable entity

filterableContainerType

Type of linked filterable container

filterableContainerID

ID of linked filterable container

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.Delete Overload List](#)

Common Help

FilterManager.DeleteAll Method

Deletes all links that link specified filterable entity to any of specified filterable containers.

Overload List

Deletes all links that link specified filterable entity to any of specified filterable containers.

```
public static void DeleteAll(IIdentifiable, Type, GuidCollection);
```

Deletes all links for given filter.

```
public static void DeleteAll(Type, Type);
```

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FilterManager.DeleteAll Method (IIdentifiable, Type, GuidCollection)

Deletes all links that link specified filterable entity to any of specified filterable containers.

```
public static void DeleteAll(
    IIdentifiable filterable,
    Type filterableContainerType,
    GuidCollection filterableContainers
);
```

Parameters

filterable

Filterable entity to delete links for

filterableContainerType

Type of filterable containers

filterableContainers

IDs of filterable containers

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.DeleteAll Overload List](#)

Common Help

FilterManager.DeleteAll Method (Type, Type)

Deletes all links for given filter.

```
public static void DeleteAll(
    Type filterableType,
    Type filterableContainerType
);
```

Parameters

filterableType

Filterable type of the filter

filterableContainerType

Filterable container type of the filter

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.DeleteAll Overload List](#)

Common Help

FilterManager.DeleteAllForContainer Method

Deletes all filter links that are linked to given filterable container.

Overload List

Deletes all filter links that are linked to given filterable container.

```
public static void DeleteAllForContainer(IIdentifiable);
```

Deletes all filter links that are linked to given filterable container on given level.

```
public static void DeleteAllForContainer(FilterLevel, IIdentifiable);
```

Deletes all filter links that are linked to given filterable container on given level.

```
public static void DeleteAllForContainer(FilterLevel, Type, Guid);
```

Deletes all filter links that are linked to given filterable container.

```
public static void DeleteAllForContainer(Type, Guid);
```

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FilterManager.DeleteAllForContainer Method (IIdentifiable)

Deletes all filter links that are linked to given filterable container.

```
public static void DeleteAllForContainer(
    IIdentifiable filterableContainer
);
```

Parameters

filterableContainer

Filterable container to delete links for

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.DeleteAllForContainer Overload List](#)

Common Help

FilterManager.DeleteAllForContainer Method (FilterLevel, IIdentifiable)

Deletes all filter links that are linked to given filterable container on given level.

```
public static void DeleteAllForContainer(
    FilterLevel filterLevel,
    IIdentifiable filterableContainer
);
```

Parameters

filterLevel

Level of filter to delete links

filterableContainer

Filterable container to delete links for

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.DeleteAllForContainer Overload List](#)

Common Help

FilterManager.DeleteAllForContainer Method (FilterLevel, Type, Guid)

Deletes all filter links that are linked to given filterable container on given level.

```
public static void DeleteAllForContainer(
    FilterLevel filterLevel,
    Type filterableContainerType,
    Guid filterableContainerID
);
```

Parameters

filterLevel
Level of filter to delete links

filterableContainerType
Type of filterable container to delete links for

filterableContainerID
ID of filterable container to delete links for

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.DeleteAllForContainer Overload List](#)

Common Help

FilterManager.DeleteAllForContainer Method (Type, Guid)

Deletes all filter links that are linked to given filterable container.

```
public static void DeleteAllForContainer(
    Type filterableContainerType,
    Guid filterableContainerID
);
```

Parameters

filterableContainerType
Type of filterable container to delete links for

filterableContainerID
ID of filterable container to delete links for

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.DeleteAllForContainer Overload List](#)

Common Help

FilterManager.DeleteAllForFilterable Method

Deletes all filter links linked to given filterable entity.

Overload List

Deletes all filter links linked to given filterable entity.
[public static void DeleteAllForFilterable\(IIdentifiable\);](#)

Deletes all filter links linked to given filterable entity within given boundaries.
[public static void DeleteAllForFilterable\(IIdentifiable, BoundaryCollection\);](#)

Deletes all filter links linked to given filterable entity.
[public static void DeleteAllForFilterable\(Type, Guid\);](#)

Deletes all filter links linked to given filterable entity within given boundaries.
[public static void DeleteAllForFilterable\(Type, Guid, BoundaryCollection\);](#)

Deletes all filter links linked to given filterable entity within given set of filterable containers.
[public static void DeleteAllForFilterable\(Type, Guid, Type, GuidCollection\);](#)

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FilterManager.DeleteAllForFilterable Method (IIdentifiable)

Deletes all filter links linked to given filterable entity.

```
public static void DeleteAllForFilterable(
    IIdentifiable filterable
);
```

Parameters

filterable

Filterable entity to delete links for

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.DeleteAllForFilterable Overload List](#)

Common Help

FilterManager.DeleteAllForFilterable Method (IIdentifiable, BoundaryCollection)

Deletes all filter links linked to given filterable entity within given boundaries.

```
public static void DeleteAllForFilterable(
    IIdentifiable filterable,
    BoundaryCollection boundaries
);
```

Parameters

filterable

Filterable entity to delete links for

boundaries

Boundaries defining all filterable containers to delete links from

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.DeleteAllForFilterable Overload List](#)

Common Help

FilterManager.DeleteAllForFilterable Method (Type, Guid)

Deletes all filter links linked to given filterable entity.

```
public static void DeleteAllForFilterable(
    Type filterableType,
    Guid filterableID
);
```

Parameters

filterableType

Type of the filterable entity to delete links for

filterableID

ID of the filterable entity to delete links for

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.DeleteAllForFilterable Overload List](#)

Common Help

FilterManager.DeleteAllForFilterable Method (Type, Guid, BoundaryCollection)

Deletes all filter links linked to given filterable entity within given boundaries.

```
public static void DeleteAllForFilterable(
    Type filterableType,
    Guid filterableID,
    BoundaryCollection boundaries
);
```

Parameters

filterableType

Type of the filterable entity to delete links for

filterableID

ID of the filterable entity to delete links for

boundaries

Boundaries defining all filterable containers to delete links from

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.DeleteAllForFilterable Overload List](#)

Common Help

FilterManager.DeleteAllForFilterable Method (Type, Guid, Type, GuidCollection)

Deletes all filter links linked to given filterable entity within given set of filterable containers.

```
public static void DeleteAllForFilterable(
    Type filterableType,
    Guid filterableID,
    Type filterableContainerType,
    GuidCollection filterableContainers
);
```

Parameters

filterableType
Type of the filterable entity to delete links for

filterableID
ID of the filterable entity to delete links for

filterableContainerType
Type of filterable containers

filterableContainers
IDs of filterable containers

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.DeleteAllForFilterable Overload List](#)

Common Help

FilterManager.Find Method

Finds specified filter link.

Overload List

Finds specified filter link.

```
public static IFilterLink Find(IIdentifiable, IIdentifiable);
```

Finds specified filter link.

```
public static IFilterLink Find(Type, Guid, Type, Guid);
```

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FilterManager.Find Method (IIdentifiable, IIdentifiable)

Finds specified filter link.

```
public static IFilterLink Find(
    IIdentifiable filterable,
    IIdentifiable filterableContainer
);
```

Parameters

filterable
Linked filterable entity

filterableContainer
Linked filterable container

Return Value

Found filter link; null if not found.

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.Find Overload List](#)

Common Help

FilterManager.Find Method (Type, Guid, Type, Guid)

Finds specified filter link.

```
public static IFilterLink Find(
    Type filterableType,
    Guid filterableID,
    Type filterableContainerType,
    Guid filterableContainerID
);
```

Parameters

filterableType
Type of linked filterable entity

filterableID
ID of linked filterable entity

filterableContainerType
Type of linked filterable container

filterableContainerID
ID of linked filterable container

Return Value

Found filter link; null if not found.

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.Find Overload List](#)

Common Help

FilterManager.FindAllForContainer Method

Finds all filterable entities linked to given filterable container within given filter.

Overload List

Finds all filterable entities linked to given filterable container within given filter.

```
public static GuidCollection FindAllForContainer(IIdentifiable, Type);
```

Finds all filterable entities linked to given filterable container within given filter.

```
public static GuidCollection FindAllForContainer(Type, Guid, Type);
```

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FilterManager.FindAllForContainer Method (IIdentifiable, Type)

Finds all filterable entities linked to given filterable container within given filter.

```
public static GuidCollection FindAllForContainer(
    IIdentifiable filterableContainer,
    Type filterableType
);
```

Parameters

filterableContainer
Filterable container

filterableType
Type of filterable entity defining the filter

Return Value

IDs of filterable entities.

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.FindAllForContainer Overload List](#)

Common Help

FilterManager.FindAllForContainer Method (Type, Guid, Type)

Finds all filterable entities linked to given filterable container within given filter.

```
public static GuidCollection FindAllForContainer(
    Type filterableContainerType,
    Guid filterableContainerID,
    Type filterableType
);
```

};

Parameters

filterableContainerType
Type of filterable container

filterableContainerID
ID of filterable container

filterableType
Type of filterable entity defining the filter

Return Value

IDs of filterable entities.

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.FindAllForContainer Overload List](#)

*Common Help***FilterManager.FindAllForFilterable Method**

Finds all filterable containers linked to given filterable entity within given filter.

Overload List

Finds all filterable containers linked to given filterable entity within given filter.

[public static GuidCollection FindAllForFilterable\(IIdentifiable,Type\);](#)

Finds all filterable containers linked to given filterable entity within given filter.

[public static GuidCollection FindAllForFilterable\(Type,Guid,Type\);](#)

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterManager.FindAllForFilterable Method (IIdentifiable, Type)**

Finds all filterable containers linked to given filterable entity within given filter.

```
public static GuidCollection FindAllForFilterable(
    IIdentifiable filterable,
    Type filterableContainerType
);
```

Parameters

filterable
Filterable entity

filterableContainerType
Type of filterable container defining the filter

Return Value

IDs of filterable containers.

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.FindAllForFilterable Overload List](#)

*Common Help***FilterManager.FindAllForFilterable Method (Type, Guid, Type)**

Finds all filterable containers linked to given filterable entity within given filter.

```
public static GuidCollection FindAllForFilterable(
    Type filterableType,
    Guid filterableID,
    Type filterableContainerType
);
```

Parameters

filterableType
Type of filterable entity

filterableID
ID of filterable entity

filterableContainerType

Type of filterable container defining the filter

Return Value

IDs of filterable containers.

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.FindAllForFilterable Overload List](#)

Common Help

FilterManager.GetFilter Method

Gets specified filter.

```
public static Filter GetFilter(  
    Type filterableType,  
    Type filterableContainerType  
) ;
```

Parameters

filterableType

Type of filterable entity defining the filter

filterableContainerType

Type of filterable container defining the filter

Return Value

Specified filter; null if does not exist.

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FilterManager.GetFilterLevel Method

Gets the level of specified filter.

```
public static FilterLevel GetFilterLevel(  
    Type filterableType,  
    Type filterableContainerType  
) ;
```

Parameters

filterableType

Type of linked filterable entities.

filterableContainerType

Type of linked filterable containers.

Return Value**See Also**

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FilterManager.GetFilterSecurityLevel Method

Gets the security level of specified filter.

```
public static FilterSecurityLevel GetFilterSecurityLevel(  
    Type filterableType,  
    Type filterableContainerType  
) ;
```

Parameters

filterableType

Type of linked filterable entities.

filterableContainerType

Type of linked filterable containers.

Return Value**See Also**

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FilterManager.GetFiltersForContainerType Method

Gets filters for given filterableContainerType.

```
public static ArrayList GetFiltersForContainerType(  
    Type filterableContainerType  
);
```

Parameters

filterableContainerType

Type of filterable container defining the filters

Return Value

Specified filters; null if none exist.

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FilterManager.GetFiltersForFilterableType Method

Gets filters for given filterableType.

```
public static ArrayList GetFiltersForFilterableType(  
    Type filterableType  
);
```

Parameters

filterableType

Type of filterable entity defining the filters

Return Value

Specified filters; null if none exist.

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FilterManager.IsLinked Method

Checks existence of given link.

Overload List

Checks existence of given link.

```
public static bool IsLinked(IIdentifiable, IIdentifiable);
```

Checks existence of given link.

```
public static bool IsLinked(Type, Guid, Type, Guid);
```

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FilterManager.IsLinked Method (IIdentifiable, IIdentifiable)

Checks existence of given link.

```
public static bool IsLinked(  
    IIdentifiable filterable,  
    IIdentifiable filterableContainer  
);
```

Parameters

filterable

Linked filterable entity

filterableContainer

Linked filterable container

Return Value

True if the link exists; false otherwise.

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.IsLinked Overload List](#)

*Common Help***FilterManager.IsLinked Method (Type, Guid, Type, Guid)**

Checks existence of given link.

```
public static bool IsLinked(
    Type filterableType,
    Guid filterableID,
    Type filterableContainerType,
    Guid filterableContainerID
);
```

Parameters

filterableType
Type of linked filterable entity

filterableID
ID of linked filterable entity

filterableContainerType
Type of linked filterable container

filterableContainerID
ID of linked filterable container

Return Value

True if the link exists; false otherwise.

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.IsLinked Overload List](#)

*Common Help***FilterManager.IsLinkedToAnyContainer Method**

Checks if there are any filterable containers linked to given filterable entity.

Overload List

Checks if there are any filterable containers linked to given filterable entity.

```
public static bool IsLinkedToAnyContainer(IIdentifiable);
```

Checks if there are any filterable containers linked to given filterable entity.

```
public static bool IsLinkedToAnyContainer(Type, Guid);
```

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterManager.IsLinkedToAnyContainer Method (IIdentifiable)**

Checks if there are any filterable containers linked to given filterable entity.

```
public static bool IsLinkedToAnyContainer(
    IIdentifiable filterable
);
```

Parameters

filterable
Filterable entity to check

Return Value

True if any filterable container is linked to given filterable entity; false otherwise.

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.IsLinkedToAnyContainer Overload List](#)

*Common Help***FilterManager.IsLinkedToAnyContainer Method (Type, Guid)**

Checks if there are any filterable containers linked to given filterable entity.

```
public static bool IsLinkedToAnyContainer(
    Type filterableType,
    Guid filterableID
);
```

Parameters

filterableType
Type of filterable entity to check

filterableID
ID of filterable entity to check

Return Value

True if any filterable container is linked to given filterable entity; false otherwise.

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.IsLinkedToAnyContainer Overload List](#)

Common Help

FilterManager.IsLinkedToAnyFilterable Method

Checks if there are any filterable entities linked to given filterable container.

Overload List

Checks if there are any filterable entities linked to given filterable container.

```
public static bool IsLinkedToAnyFilterable(IIdentifiable);
```

Checks if there are any filterable entities linked to given filterable container.

```
public static bool IsLinkedToAnyFilterable(Type, Guid);
```

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FilterManager.IsLinkedToAnyFilterable Method (IIdentifiable)

Checks if there are any filterable entities linked to given filterable container.

```
public static bool IsLinkedToAnyFilterable(
    IIdentifiable filterableContainer
);
```

Parameters

filterableContainer
Filterable container to check

Return Value

True if any filterable entity is linked to given filterable container; false otherwise.

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.IsLinkedToAnyFilterable Overload List](#)

Common Help

FilterManager.IsLinkedToAnyFilterable Method (Type, Guid)

Checks if there are any filterable entities linked to given filterable container.

```
public static bool IsLinkedToAnyFilterable(
    Type filterableContainerType,
    Guid filterableContainerID
);
```

Parameters

filterableContainerType
Type of filterable container

filterableContainerID
ID of filterable container

Return Value

True if any filterable entity is linked to given filterable container; false otherwise.

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.IsLinkedToAnyFilterable Overload List](#)

*Common Help***FilterManager.IsLinkedToAnyOtherContainer Method**

Checks if there are any filter links to given filterable entity that are not linked to given filterable container.

Overload List

Checks if there are any filter links to given filterable entity that are not linked to given filterable container.

```
public static bool IsLinkedToAnyOtherContainer(IIdentifiable, IIdentifiable);
```

Checks if there are any filter links to given filterable entity that are not linked to given filterable containers.

```
public static bool IsLinkedToAnyOtherContainer(IIdentifiable, BoundaryCollection);
```

Checks if there are any filter links to given filterable entity that are not linked to given filterable containers.

```
public static bool IsLinkedToAnyOtherContainer(IIdentifiable, Type, GuidCollection);
```

Checks if there are any filter links to given filterable entity that are not linked to given filterable containers.

```
public static bool IsLinkedToAnyOtherContainer(Type, Guid, BoundaryCollection);
```

Checks if there are any filter links to given filterable entity that are not linked to given filterable containers.

```
public static bool IsLinkedToAnyOtherContainer(Type, Guid, Type, GuidCollection);
```

Checks if there are any filter links to given filterable entity that are not linked to given filterable container.

```
public static bool IsLinkedToAnyOtherContainer(Type, Guid, Type, Guid);
```

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterManager.IsLinkedToAnyOtherContainer Method (IIdentifiable, IIdentifiable)**

Checks if there are any filter links to given filterable entity that are not linked to given filterable container.

```
public static bool IsLinkedToAnyOtherContainer(
    IIdentifiable filterable,
    IIdentifiable filterableContainer
);
```

Parameters

filterable

Filterable entity to check

filterableContainer

Filterable container to check

Return Value

True if there are any links linking given filterable entity to any filterable container outside of specified one; false otherwise.

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.IsLinkedToAnyOtherContainer Overload List](#)

*Common Help***FilterManager.IsLinkedToAnyOtherContainer Method (IIdentifiable, BoundaryCollection)**

Checks if there are any filter links to given filterable entity that are not linked to given filterable containers.

```
public static bool IsLinkedToAnyOtherContainer(
    IIdentifiable filterable,
    BoundaryCollection boundaries
);
```

Parameters

filterable

Filterable entity

boundaries

Boundary collection representing set of filterable containers

Return Value

True if there are any links linking given filterable entity to any filterable container outside of specified set; false otherwise.

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.IsLinkedToAnyOtherContainer Overload List](#)

*Common Help***FilterManager.IsLinkedToAnyOtherContainer Method (IIdentifiable, Type, GuidCollection)**

Checks if there are any filter links to given filterable entity that are not linked to given filterable containers.

```
public static bool IsLinkedToAnyOtherContainer(
    IIdentifiable filterable,
    Type filterableContainerType,
    GuidCollection filterableContainers
);
```

Parameters

filterable
Filterable entity to check

filterableContainerType
Filterable container type

filterableContainers
IDs of filterable containers

Return Value

True if there are any links linking given filterable entity to any filterable container outside of specified set; false otherwise.

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.IsLinkedToAnyOtherContainer Overload List](#)

*Common Help***FilterManager.IsLinkedToAnyOtherContainer Method (Type, Guid, BoundaryCollection)**

Checks if there are any filter links to given filterable entity that are not linked to given filterable containers.

```
public static bool IsLinkedToAnyOtherContainer(
    Type filterableType,
    Guid filterableID,
    BoundaryCollection boundaries
);
```

Parameters

filterableType
Type of filterable entity

filterableID
ID of filterable entity

boundaries
Boundary collection representing set of filterable containers

Return Value

True if there are any links linking given filterable entity to any filterable container outside of specified set; false otherwise.

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.IsLinkedToAnyOtherContainer Overload List](#)

*Common Help***FilterManager.IsLinkedToAnyOtherContainer Method (Type, Guid, Type, GuidCollection)**

Checks if there are any filter links to given filterable entity that are not linked to given filterable containers.

```
public static bool IsLinkedToAnyOtherContainer(
    Type filterableType,
    Guid filterableID,
    Type filterableContainerType,
    GuidCollection filterableContainers
);
```

Parameters

filterableType
Type of filterable entity

filterableID
ID of filterable entity

filterableContainerType
Type of filterable container

filterableContainers
IDs of filterable containers

Return Value

True if there are any links linking given filterable entity to any filterable container outside of specified set; false otherwise.

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.IsLinkedToAnyOtherContainer Overload List](#)

*Common Help***FilterManager.IsLinkedToAnyOtherContainer Method (Type, Guid, Type, Guid)**

Checks if there are any filter links to given filterable entity that are not linked to given filterable container.

```
public static bool IsLinkedToAnyOtherContainer(
    Type filterableType,
    Guid filterableID,
    Type filterableContainerType,
    Guid filterableContainerID
);
```

Parameters

filterableType
Type of filterable entity

filterableID
ID of filterable entity

filterableContainerType
Type of filterable container

filterableContainerID
ID of filterable container

Return Value

True if there are any links linking given filterable entity to any filterable container outside of specified one; false otherwise.

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.IsLinkedToAnyOtherContainer Overload List](#)

*Common Help***FilterManager.MoveAll Method**

Moves links linked to one filterable container to another filterable container for all filters on given level.

Overload List

Moves links linked to one filterable container to another filterable container for all filters on given level.

```
public static void MoveAll(FilterLevel, IIdentifiable, IIdentifiable);
```

Moves links linked to one filterable container to another filterable container for all filters on given level.

```
public static void MoveAll(FilterLevel, IIdentifiable, IIdentifiable, FilterMaintenance);
```

Moves links linked to one filterable container to another filterable container for all filters on given level.

```
public static void MoveAll(FilterLevel, Type, Guid, Guid);
```

Moves links linked to one filterable container to another filterable container for all filters on given level.

```
public static void MoveAll(FilterLevel, Type, Guid, Guid, FilterMaintenance);
```

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterManager.MoveAll Method (FilterLevel, IIdentifiable, IIdentifiable)**

Moves links linked to one filterable container to another filterable container for all filters on given level.

```
public static void MoveAll(
```

```

    FilterLevel filterLevel,
    IIdentifiable fromFilterableContainer,
    IIdentifiable toFilterableContainer
);

```

Parameters

filterLevel
Level of the filter

fromFilterableContainer
Filterable container to move links from

toFilterableContainer
Filterable container to move links to

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.MoveAll Overload List](#)

*Common Help***FilterManager.MoveAll Method (FilterLevel, IIdentifiable, IIdentifiable, FilterMaintenance)**

Moves links linked to one filterable container to another filterable container for all filters on given level.

```

public static void MoveAll(
    FilterLevel filterLevel,
    IIdentifiable fromFilterableContainer,
    IIdentifiable toFilterableContainer,
    FilterMaintenance limitTo
);

```

Parameters

filterLevel
Level of the filter

fromFilterableContainer
Filterable container to move links from

toFilterableContainer
Filterable container to move links to

limitTo
Limit the move to filters that have the specified filter maintenance set.

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.MoveAll Overload List](#)

*Common Help***FilterManager.MoveAll Method (FilterLevel, Type, Guid, Guid)**

Moves links linked to one filterable container to another filterable container for all filters on given level.

```

public static void MoveAll(
    FilterLevel filterLevel,
    Type filterableContainerType,
    Guid fromFilterableContainerID,
    Guid toFilterableContainerID
);

```

Parameters

filterLevel
Level of the filter

filterableContainerType
Type of filterable containers

fromFilterableContainerID
ID of filterable container to move links from

toFilterableContainerID
ID of filterable container to move links to

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.MoveAll Overload List](#)

*Common Help***FilterManager.MoveAll Method (FilterLevel, Type, Guid, Guid, FilterMaintenance)**

Moves links linked to one filterable container to another filterable container for all filters on given level.

```
public static void MoveAll(
    FilterLevel filterLevel,
    Type filterableContainerType,
    Guid fromFilterableContainerID,
    Guid toFilterableContainerID,
    FilterMaintenance limitTo
);
```

Parameters

filterLevel
Level of the filter.

filterableContainerType
Type of filterable containers.

fromFilterableContainerID
ID of filterable container to move links from.

toFilterableContainerID
ID of filterable container to move links to.

limitTo
Limit the move to filters that have the specified filter maintenance set.

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.MoveAll Overload List](#)

*Common Help***FilterManager.PassFilterLevelSetter Method**

Not for external use.

```
public static void PassFilterLevelSetter();
```

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterManager.PassFilterSecurityLevelSetter Method**

Not for external use.

```
public static void PassFilterSecurityLevelSetter();
```

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterManager.PassFilterVirtualCollection Method**

Not for external use.

```
public static void PassFilterVirtualCollection();
```

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterManager.Save Method**

Saves filter link.

Overload List

Saves filter link.

```
public static void Save(IIdentifiable,IIdentifiable);
```

Saves filter link.

```
public static void Save(IIdentifiable,IIdentifiable,bool);
```

Saves filter link.

```
public static void Save(IFilterLink,Type);
```

Saves filter link.

```
public static void Save(IFilterLink,Type,bool,bool);
```

Saves filter link.

```
public static void Save(Type,Guid,Type,Guid);
```

Saves filter link.

```
public static void Save(Type,Guid,Type,Guid,bool);
```

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterManager.Save Method (IIdentifiable, IIdentifiable)**

Saves filter link.

```
public static void Save(  
    IIdentifiable filterable,  
    IIdentifiable filterableContainer  
) ;
```

Parameters

filterable

Linked filterable entity

filterableContainer

Linked filterable container

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.Save Overload List](#)

*Common Help***FilterManager.Save Method (IIdentifiable, IIdentifiable, Boolean)**

Saves filter link.

```
public static void Save(  
    IIdentifiable filterable,  
    IIdentifiable filterableContainer,  
    bool validateFilterable  
) ;
```

Parameters

filterable

Linked filterable entity

filterableContainer

Linked filterable container

validateFilterable

If true then existence of the filterable entity will be checked before saving the link

Exceptions

Exception Type	Condition
EntityInvalidException	Thrown if validation of filterable entity was requested and the validation was not succesful.

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.Save Overload List](#)

*Common Help***FilterManager.Save Method (IFilterLink, Type)**

Saves filter link.

```
public static void Save(  
    IFilterlink link,  
    Type filterableType  
) ;
```

Parameters

link

Filter link to save

filterableType

Filterable type of the filter link

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.Save Overload List](#)

Common Help**FilterManager.Save Method (IFilterLink, Type, Boolean, Boolean)**

Saves filter link.

```
public static void Save(  
    IFilterLink link,  
    Type filterableType,  
    bool validateFilterable,  
    bool validateFilterableContainer  
) ;
```

Parameters

link

Filter link to save

filterableType

Filterable type of the filter link

validateFilterable

If true then existence of the filterable entity will be checked before saving the link

validateFilterableContainer

If true then existence of the filterable entity will be checked before saving the link

Exceptions

Exception Type	Condition
EntityInvalidException	Thrown if validation of filterable entity was requested and the validation was not succesful. Thrown if validation of filterable container was requested and the validation was not succesful.

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.Save Overload List](#)

Common Help**FilterManager.Save Method (Type, Guid, Type, Guid)**

Saves filter link.

```
public static void Save(  
    Type filterableType,  
    Guid filterableID,  
    Type filterableContainerType,  
    Guid filterableContainerID  
) ;
```

Parameters

filterableType

Type of linked filterable entity

filterableID

ID fo linked filterable entity

filterableContainerType

Type of linked filterable container

filterableContainerID

ID of linked filterable container

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.Save Overload List](#)

Common Help**FilterManager.Save Method (Type, Guid, Type, Guid, Boolean)**

Saves filter link.

```
public static void Save(  
    Type filterableType,  
    Guid filterableID,  
    Type filterableContainerType,  
    Guid filterableContainerID,  
    bool validateFilterable  
) ;
```



```
};
```

Parameters

filterableType
Type of linked filterable entity

filterableID
ID fo linked filterable entity

filterableContainerType
Type of linked filterable container

filterableContainerID
ID of linked filterable container

validateFilterable
If true then existence of the filterable entity will be checked before saving the link

Exceptions

Exception Type	Condition
EntityInvalidException	Thrown if validation of filterable entity was requested and the validation was not succesful.

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.Save Overload List](#)

*Common Help***FilterManager.SaveAll Method**

Saves multiple filter links.

Overload List

Saves multiple filter links.
`public static void SaveAll(IIidentifiable,BoundaryCollection);`

Saves multiple filter links.
`public static void SaveAll(IIidentifiable,BoundaryCollection,bool);`

Saves multiple filter links.
`public static void SaveAll(IIidentifiable,ArrayList);`

Saves multiple filter links.
`public static void SaveAll(IIidentifiable,ArrayList,bool);`

Saves multiple filter links.
`public static void SaveAll(Type,Guid,BoundaryCollection);`

Saves multiple filter links.
`public static void SaveAll(Type,Guid,BoundaryCollection,bool);`

Saves multiple filter links.
`public static void SaveAll(Type,Guid,Type,GuidCollection);`

Saves multiple filter links.
`public static void SaveAll(Type,Guid,Type,GuidCollection,bool);`

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterManager.SaveAll Method (IIidentifiable, BoundaryCollection)**

Saves multiple filter links.

```
public static void SaveAll(  
    IIidentifiable filterable,  
    BoundaryCollection boundaries  
) {  
}
```

Parameters

filterable
Linked filterable entity

boundaries
Linked filterable containers

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.SaveAll Overload List](#)

Common Help

FilterManager.SaveAll Method (IIdentifiable, BoundaryCollection, Boolean)

Saves multiple filter links.

```
public static void SaveAll(  
    IIdentifiable filterable,  
    BoundaryCollection boundaries,  
    bool validateFilterable  
) ;
```

Parameters

filterable

Linked filterable entity

boundaries

Boundary collection representing linked filterable containers

validateFilterable

If true then existence of the filterable entity will be checked before saving the link

Exceptions

Exception Type	Condition
EntityInvalidException	Thrown if validation of filterable entity was requested and the validation was not succesful.

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.SaveAll Overload List](#)

Common Help

FilterManager.SaveAll Method (IIdentifiable, ArrayList)

Saves multiple filter links.

```
public static void SaveAll(  
    IIdentifiable filterable,  
    ArrayList filterableContainers  
) ;
```

Parameters

filterable

Linked filterable entity

filterableContainers

Linked filterable containers

Remarks

All filterable containers must be of the same type.

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.SaveAll Overload List](#)

Common Help

FilterManager.SaveAll Method (IIdentifiable, ArrayList, Boolean)

Saves multiple filter links.

```
public static void SaveAll(  
    IIdentifiable filterable,  
    ArrayList filterableContainers,  
    bool validateFilterable  
) ;
```

Parameters

filterable

Linked filterable entity

filterableContainers

Linked filterable containers

validateFilterable

If true then existence of the filterable entity will be checked before saving the link

Remarks

All filterable containers must be of the same type.

Exceptions

Exception Type	Condition
EntityInvalidException	Thrown if validation of filterable entity was requested and the validation was not succesful.

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.SaveAll Overload List](#)

Common Help**FilterManager.SaveAll Method (Type, Guid, BoundaryCollection)**

Saves multiple filter links.

```
public static void SaveAll(  
    Type filterableType,  
    Guid filterableID,  
    BoundaryCollection boundaries  
)
```

Parameters

filterableType
Type of linked filterable entity

filterableID
ID of linked filterable entity

boundaries
Boundary collection representing linked filterable containers

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.SaveAll Overload List](#)

Common Help**FilterManager.SaveAll Method (Type, Guid, BoundaryCollection, Boolean)**

Saves multiple filter links.

```
public static void SaveAll(  
    Type filterableType,  
    Guid filterableID,  
    BoundaryCollection boundaries,  
    bool validateFilterable  
)
```

Parameters

filterableType
Type of linked filterable entity

filterableID
ID of linked filterable entity

boundaries
Boundary collection representing linked filterable containers

validateFilterable
If true then existence of the filterable entity will be checked before saving the link

Exceptions

Exception Type	Condition
EntityInvalidException	Thrown if validation of filterable entity was requested and the validation was not succesful.

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.SaveAll Overload List](#)

Common Help**FilterManager.SaveAll Method (Type, Guid, Type, GuidCollection)**

Saves multiple filter links.

```
public static void SaveAll(  
    Type filterableType,  
    Guid filterableID,  
    Type filterableContainerType,  
    GuidCollection filterableContainers  
);
```

Parameters

filterableType
Type of linked filterable entity

filterableID
ID of linked filterable entity

filterableContainerType
Type of linked filterable containers

filterableContainers
IDs of linked filterable containers

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.SaveAll Overload List](#)

*Common Help***FilterManager.SaveAll Method (Type, Guid, Type, GuidCollection, Boolean)**

Saves multiple filter links.

```
public static void SaveAll(  
    Type filterableType,  
    Guid filterableID,  
    Type filterableContainerType,  
    GuidCollection filterableContainers,  
    bool validateFilterable  
);
```

Parameters

filterableType
Type of linked filterable entity

filterableID
ID of linked filterable entity

filterableContainerType
Type of linked filterable containers

filterableContainers
IDs of linked filterable containers

validateFilterable
If true then existence of the filterable entity will be checked before saving the link

Exceptions

Exception Type	Condition
EntityInvalidException	Thrown if validation of filterable entity was requested and the validation was not succesful.

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.SaveAll Overload List](#)

*Common Help***FilterManager.SetFilterLevel Method**

Change level of specified filter.

```
public static void SetFilterLevel(  
    Type filterableType,  
    Type filterableContainerType,  
    FilterLevel newLevel  
);
```

Parameters

filterableType
Type of linked filterable entities.

filterableContainerType
Type of linked filterable containers.

newLevel
New filter level

Exceptions

Exception Type	Condition
InvalidOperationException	Thrown when the level is changed to a not allowed level. Allowed levels are specified through FilterableAttribute .

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterableAttribute](#)

*Common Help***FilterManager.SetFilterSecurityLevel Method**

Change security level of specified filter.

```
public static void SetFilterSecurityLevel(
    Type filterableType,
    Type filterableContainerType,
    FilterSecurityLevel newSecurityLevel
);
```

Parameters

filterableType
Type of linked filterable entities.

filterableContainerType
Type of linked filterable containers.

newSecurityLevel
New filter security level

Exceptions

Exception Type	Condition
InvalidOperationException	Thrown when a user does not have access to change the security level.

See Also

[FilterManager Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterManager.IService Interface**

For a list of all members of this type, see [FilterManager.IService Members](#).

```
public interface FilterManager.IService
```

Requirements

Namespace: [Microsoft.Business.Common.OrganizationStructure](#)

Assembly: Microsoft.Business.Common (in Microsoft.Business.Common.dll)





See Also





















[FilterManager.IService Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterManager.IService Members**

[FilterManager.IService overview](#)

Public Instance Methods

 CopyAll	Overloaded.
 Create	
 Delete	
 DeleteAll	

 DeleteAllForContainer	Overloaded.
 DeleteAllForFilterable	Overloaded.
 Find	
 FindAllForContainer	
 FindAllForFilterable	
 GetFilter	
 GetFiltersForContainerType	
 GetFiltersForFilterableType	
 InitializeFilterVirtualCollection	
 InitializeSetFilterLevelCallback	
 InitializeSetFilterSecurityLevelCallback	
 IsLinked	
 IsLinkedToAnyContainer	
 IsLinkedToAnyFilterable	
 IsLinkedToAnyOtherContainer	
 MoveAll	Overloaded.
 Save	Overloaded.
 SaveAll	
 SetFilterLevel	
 SetFilterSecurityLevel	









See Also

















[FilterManager.IService Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterManager.IService Methods**

The methods of the **FilterManager.IService** interface are listed below. For a complete list of **FilterManager.IService** interface members, see the [FilterManager.IService Members](#) topic.

Public Instance Methods

 CopyAll	Overloaded.
 Create	
 Delete	
 DeleteAll	
 DeleteAllForContainer	Overloaded.
 DeleteAllForFilterable	Overloaded.
 Find	
 FindAllForContainer	

 FindAllForFilterable	
 GetFilter	
 GetFiltersForContainerType	
 GetFiltersForFilterableType	
 InitializeFilterVirtualCollection	
 InitializeSetFilterLevelCallback	
 InitializeSetFilterSecurityLevelCallback	
 IsLinked	
 IsLinkedToAnyContainer	
 IsLinkedToAnyFilterable	
 IsLinkedToAnyOtherContainer	
 MoveAll	Overloaded.
 Save	Overloaded.
 SaveAll	
 SetFilterLevel	
 SetFilterSecurityLevel	

See Also

[FilterManager.IService Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterManager.IService.CopyAll Method****Overload List**

[void CopyAll\(FilterLevel, Type, Guid, Guid\);](#)

[void CopyAll\(FilterLevel, Type, Guid, Guid, FilterMaintenance\);](#)

See Also

[FilterManager.IService Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterManager.IService.CopyAll Method (FilterLevel, Type, Guid, Guid)**

```
void CopyAll(
    FilterLevel filterLevel,
    Type filterableContainerType,
    Guid fromFilterableContainerID,
    Guid toFilterableContainerID
);
```

See Also

[FilterManager.IService Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.IService.CopyAll Overload List](#)

*Common Help***FilterManager.IService.CopyAll Method (FilterLevel, Type, Guid, Guid, FilterMaintenance)**

```
void CopyAll(
    FilterLevel filterLevel,
    Type filterableContainerType,
    Guid fromFilterableContainerID,
    Guid toFilterableContainerID,
    FilterMaintenance limitTo
);
```

```
};
```

See Also

[FilterManager.IService Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.IService.CopyAll Overload List](#)

*Common Help***FilterManager.IService.Create Method**

```
IFilterLink Create(
    Type filterableType,
    Guid filterableID,
    Type filterableContainerType,
    Guid filterableContainerID
);
```

See Also

[FilterManager.IService Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterManager.IService.Delete Method**

```
void Delete(
    Type filterableType,
    Guid filterableID,
    Type filterableContainerType,
    Guid filterableContainerID
);
```

See Also

[FilterManager.IService Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterManager.IService.DeleteAll Method**

```
void DeleteAll(
    Type filterableType,
    Type filterableContainerType
);
```

See Also

[FilterManager.IService Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterManager.IService.DeleteAllForContainer Method****Overload List**

```
void DeleteAllForContainer(FilterLevel,Type,Guid);
void DeleteAllForContainer(Type,Guid);
```

See Also

[FilterManager.IService Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterManager.IService.DeleteAllForContainer Method (FilterLevel, Type, Guid)**

```
void DeleteAllForContainer(
    FilterLevel filterLevel,
    Type filterableContainerType,
    Guid filterableContainerID
);
```

See Also

[FilterManager.IService Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.IService.DeleteAllForContainer Overload List](#)

*Common Help***FilterManager.IService.DeleteAllForContainer Method (Type, Guid)**

```
void DeleteAllForContainer(
    Type filterableContainerType,
```



```

    Guid filterableContainerID
};

```

See Also

[FilterManager.IService Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.IService.DeleteAllForContainer Overload List](#)

*Common Help***FilterManager.IService.DeleteAllForFilterable Method****Overload List**

```

void DeleteAllForFilterable(Type,Guid);
void DeleteAllForFilterable(Type,Guid,BoundaryCollection);

```

See Also

[FilterManager.IService Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterManager.IService.DeleteAllForFilterable Method (Type, Guid)**

```

void DeleteAllForFilterable(
    Type filterableType,
    Guid filterableID
);

```

See Also

[FilterManager.IService Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.IService.DeleteAllForFilterable Overload List](#)

*Common Help***FilterManager.IService.DeleteAllForFilterable Method (Type, Guid, BoundaryCollection)**

```

void DeleteAllForFilterable(
    Type filterableType,
    Guid filterableID,
    BoundaryCollection boundaries
);

```

See Also

[FilterManager.IService Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.IService.DeleteAllForFilterable Overload List](#)

*Common Help***FilterManager.IService.Find Method**

```

IFilterLink Find(
    Type filterableType,
    Guid filterableID,
    Type filterableContainerType,
    Guid filterableContainerID
);

```

See Also

[FilterManager.IService Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterManager.IService.FindAllForContainer Method**

```

GuidCollection FindAllForContainer(
    Type filterableContainerType,
    Guid filterableContainerID,
    Type filterableType
);

```

See Also

[FilterManager.IService Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterManager.IService.FindAllForFilterable Method**

```

GuidCollection FindAllForFilterable(

```

```

    Type filterableType,
    Guid filterableID,
    Type filterableContainerType
};

```

See Also

[FilterManager.IService Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterManager.IService.GetFilter Method**

```

Filter GetFilter(
    Type filterableType,
    Type filterableContainerType
);

```

See Also

[FilterManager.IService Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterManager.IService.GetFiltersForContainerType Method**

```

ArrayList GetFiltersForContainerType(
    Type filterableContainerType
);

```

See Also

[FilterManager.IService Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterManager.IService.GetFiltersForFilterableType Method**

```

ArrayList GetFiltersForFilterableType(
    Type filterableType
);

```

See Also

[FilterManager.IService Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterManager.IService.InitializeFilterVirtualCollection Method**

```

void InitializeFilterVirtualCollection(
    FilterVirtualCollection vc
);

```

See Also

[FilterManager.IService Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterManager.IService.InitializeSetFilterLevelCallback Method**

```

void InitializeSetFilterLevelCallback(
    FilterLevelSetterCallback setMethod
);

```

See Also

[FilterManager.IService Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterManager.IService.InitializeSetFilterSecurityLevelCallback Method**

```

void InitializeSetFilterSecurityLevelCallback(
    FilterSecurityLevelSetterCallback setMethod
);

```

See Also

[FilterManager.IService Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FilterManager.IService.IsLinked Method

```
bool IsLinked(
    Type filterableType,
    Guid filterableID,
    Type filterableContainerType,
    Guid filterableContainerID
);
```

See Also

[FilterManager.IService Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterManager.IService.IsLinkedToAnyContainer Method**

```
bool IsLinkedToAnyContainer(
    Type filterableType,
    Guid filterableID
);
```

See Also

[FilterManager.IService Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterManager.IService.IsLinkedToAnyFilterable Method**

```
bool IsLinkedToAnyFilterable(
    Type filterableContainerType,
    Guid filterableContainerID
);
```

See Also

[FilterManager.IService Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterManager.IService.IsLinkedToAnyOtherContainer Method**

```
bool IsLinkedToAnyOtherContainer(
    Type filterableType,
    Guid filterableID,
    BoundaryCollection boundaries
);
```

See Also

[FilterManager.IService Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterManager.IService.MoveAll Method****Overload List**

```
void MoveAll(FilterLevel, Type, Guid, Guid);
void MoveAll(FilterLevel, Type, Guid, Guid, FilterMaintenance);
```

See Also

[FilterManager.IService Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterManager.IService.MoveAll Method (FilterLevel, Type, Guid, Guid)**

```
void MoveAll(
    FilterLevel filterLevel,
    Type filterableContainerType,
    Guid fromFilterableContainerID,
    Guid toFilterableContainerID
);
```

See Also

[FilterManager.IService Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.IService.MoveAll Overload List](#)

Common Help

FilterManager.IService.MoveAll Method (FilterLevel, Type, Guid, Guid, FilterMaintenance)

```
void MoveAll(
    FilterLevel filterLevel,
    Type filterableContainerType,
    Guid fromFilterableContainerID,
    Guid toFilterableContainerID,
    FilterMaintenance limitTo
);
```

See Also

[FilterManager.IService Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.IService.MoveAll Overload List](#)

*Common Help***FilterManager.IService.Save Method****Overload List**

```
void Save(IFilterLink,Type,bool,bool);
void Save(Type,Guid,Type,Guid,bool);
```

See Also

[FilterManager.IService Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterManager.IService.Save Method (IFilterLink, Type, Boolean, Boolean)**

```
void Save(
    IFilterLink link,
    Type filterableType,
    bool validateFilterable,
    bool validateFilterableContainer
);
```

See Also

[FilterManager.IService Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.IService.Save Overload List](#)

*Common Help***FilterManager.IService.Save Method (Type, Guid, Type, Guid, Boolean)**

```
void Save(
    Type filterableType,
    Guid filterableID,
    Type filterableContainerType,
    Guid filterableContainerID,
    bool validateFilterable
);
```

See Also

[FilterManager.IService Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterManager.IService.Save Overload List](#)

*Common Help***FilterManager.IService.SaveAll Method**

```
void SaveAll(
    Type filterableType,
    Guid filterableID,
    BoundaryCollection boundaries,
    bool validateFilterable
);
```

See Also

[FilterManager.IService Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterManager.IService.SetFilterLevel Method**

```
void SetFilterLevel(
    Type filterableType,
    Type filterableContainerType,
    FilterLevel newLevel
);
```

>>

See Also[FilterManager.IService Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)*Common Help***FilterManager.IService.SetFilterSecurityLevel Method**

```
void SetFilterSecurityLevel(
    Type filterableType,
    Type filterableContainerType,
    FilterSecurityLevel newSecurityLevel
);
```

See Also[FilterManager.IService Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)*Common Help***FilterSecurityLevel Enumeration**Represents security level of a [Filter](#).

```
public enum FilterSecurityLevel
```

Members

Member Name	Description
None	
Secured	

Requirements**Namespace:** [Microsoft.Business.Common.OrganizationStructure](#)**Assembly:** Microsoft.Business.Common (in Microsoft.Business.Common.dll)**See Also**[Microsoft.Business.Common.OrganizationStructure Namespace](#)*Common Help***FilterVirtualCollection Class**



Entity VirtualCollection for Filter.









For a list of all members of this type, see [FilterVirtualCollection Members](#).

```
System.Object
    ServiceProvider
        EntityVirtualCollection
            FilterVirtualCollection
```

















```
public sealed class FilterVirtualCollection : EntityVirtualCollection
```

Requirements**Namespace:** [Microsoft.Business.Common.OrganizationStructure](#)**Assembly:** Microsoft.Business.Common (in Microsoft.Business.Common.dll)**See Also**[FilterVirtualCollection Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)*Common Help***FilterVirtualCollection Members**[FilterVirtualCollection overview](#)**Public Instance Properties**

```
 CollectionOptions (inherited from
Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 CreateOptions (inherited from
Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
```










 DataLocationPolicy (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 EntityClassName (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 EntityType (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 FilterOptions (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 FindOptions (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 ParentKey (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 SecurityOptions (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 TransactionOptions (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	

Public Instance Methods

 Abort (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 ClearCache (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 Create	Overloaded.
 Create (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 CreateByID	
 Delete (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 DeleteAll (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 Equals (inherited from Object)	Determines whether the specified Object is equal to the current Object .
 Find (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 Find	Overloaded.
 FindAll (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 FindAllWithBlock (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 FindByID	Overloaded.
 GetHashCode (inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 GetType (inherited from Object)	Gets the Type of the current instance.
 Save (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
	Returns a String that represents the current Object .

 ToString (inherited from Object)	
---	--

Protected Instance Methods

 CanCreate (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 CanDelete	Overloaded.
 CanSave (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 Finalize (inherited from Object)	Allows an <u>Object</u> to attempt to free resources and perform other cleanup operations before the <u>Object</u> is reclaimed by garbage collection.
 GetService (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 GetService (inherited from Microsoft.BusinessFramework.Agent.ServiceProvider)	Overloaded.
 MemberwiseClone (inherited from Object)	Creates a shallow copy of the current <u>Object</u> .
 VerifyEntity (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 VerifyKey (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	

Protected Internal Instance Methods

 OnGetEntity (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)










See Also









[FilterVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterVirtualCollection Methods**










The methods of the **FilterVirtualCollection** class are listed below. For a complete list of **FilterVirtualCollection** class members, see the [FilterVirtualCollection Members](#) topic.

Public Instance Methods


 Abort (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 ClearCache (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 Create	Overloaded.
 Create (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 CreateByID	
 Delete (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 DeleteAll (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 Equals (inherited from Object)	Determines whether the specified <u>Object</u> is equal to the current <u>Object</u> .
 Find (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.

 Find	Overloaded.
 FindAll (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 FindAllWithBlock (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 FindByID	Overloaded.
 GetHashCode (Inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 GetType (Inherited from Object)	Gets the Type of the current instance.
 Save (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Returns a String that represents the current Object .
 ToString (Inherited from Object)	

Protected Instance Methods

 CanCreate (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 CanDelete	
 CanSave (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection.
 Finalize (Inherited from Object)	
 GetService (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 GetService (Inherited from Microsoft.BusinessFramework.Agent.ServiceProvider)	Overloaded.
 MemberwiseClone (Inherited from Object)	Creates a shallow copy of the current Object .
 VerifyEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 VerifyKey (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	

Protected Internal Instance Methods

 OnGetEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)

See Also

[FilterVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterVirtualCollection.CanDelete Method****Overload List**

```
protected override bool CanDelete(EntityKey);
protected override bool CanDelete(IEntity);
```

See Also

[FilterVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterVirtualCollection.CanDelete Method (EntityKey)**


```
protected override bool CanDelete(
    EntityKey key
);
```

See Also

[FilterVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterVirtualCollection.CanDelete Overload List](#)

*Common Help***FilterVirtualCollection.CanDelete Method (IEntity)**

```
protected override bool CanDelete(
    IEntity entity
);
```

See Also

[FilterVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterVirtualCollection.CanDelete Overload List](#)

*Common Help***FilterVirtualCollection.Create Method****Overload List**

[public override IEntity Create\(\);](#)

Inherited from [EntityVirtualCollection](#).

[public virtual IEntity Create\(EntityKey\);](#)

See Also

[FilterVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterVirtualCollection.Create Method ()**

```
public override IEntity Create();
```

See Also

[FilterVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterVirtualCollection.Create Overload List](#)

*Common Help***FilterVirtualCollection.CreateByID Method**

```
public Filter CreateByID(
    Type linkType,
    Type filterableType
);
```

See Also

[FilterVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterVirtualCollection.Find Method****Overload List**

[new public Filter Find\(EntityCriteria\);](#)

Inherited from [EntityVirtualCollection](#).

[public virtual IEntity Find\(WhereExpression\);](#)

See Also

[FilterVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FilterVirtualCollection.Find Method (EntityCriteria)**

```
new public Filter Find(
    EntityCriteria criteria
);
```

See Also

[FilterVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterVirtualCollection.Find Overload List](#)

Common Help

FilterVirtualCollection.FindByID Method

Overload List

```
public Filter FindByID(string,string);  
public Filter FindByID(Type,Type);
```

See Also

[FilterVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FilterVirtualCollection.FindByID Method (String, String)

```
public Filter FindByID(  
    string linkTypeName,  
    string filterableTypeName  
) ;
```

See Also

[FilterVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterVirtualCollection.FindByID Overload List](#)

Common Help

FilterVirtualCollection.FindByID Method (Type, Type)

```
public Filter FindByID(  
    Type linkType,  
    Type filterableType  
) ;
```

See Also

[FilterVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterVirtualCollection.FindByID Overload List](#)

Common Help

FunctionalCategory Class

Represents a functional category of a business unit.
For a list of all members of this type, see [FunctionalCategory Members](#).

- System.Object
- ServiceProvider
- Agent
- BusinessEntity
- FunctionalCategory

```
public class FunctionalCategory : BusinessEntity
```

Remarks

There is single predefined Company functional category. The Company functional category can not be deleted. Other categories can be freely created, modified or deleted.

Requirements

- Namespace: Microsoft.Business.Common.OrganizationStructure
- Assembly: Microsoft.Business.Common (in Microsoft.Business.Common.dll)

See Also

[FunctionalCategory Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)



Common Help

FunctionalCategory Members











[FunctionalCategory overview](#)

Public Static Properties











	Predefined functional category.
--	---------------------------------

 Company	
 PredefinedCompanyID	ID of the predefined company functional category.



Public Instance Properties











 Description	Description of the functional category.
 HasChanged (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 HasChangedFlags (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 ID	Gets or sets an identifier used to uniquely identify the functional category.
 IsCompany	Returns true if the functional category matches the predefined Company functional category; otherwise false.
 IsNew (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IsReadOnly (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 PropertyBindingManager (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 ValidationInfo (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 VisibleID	Gets or sets a human readable identifier of the functional category.

Public Instance Methods


 CreateChild (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	Overloaded.
 Equals (inherited from Object)	Determines whether the specified Object is equal to the current Object .
 GetHashCode (inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 GetKey	
 GetProperty (inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 GetType (inherited from Object)	Gets the Type of the current instance.
 IsValid (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 OnDeserialization (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 SetHasChanged (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 ToString	Returns VisibleID of the functional category.

Public Instance Events




 Created (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 Defaulting (inherited from Microsoft.BusinessFramework.Agent.Agent)

 Deleted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 Deleting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 Found (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 Inserted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 Inserting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 ServiceDefaulting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 ServiceValidating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 Updated (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 Updating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 Validating (inherited from Microsoft.BusinessFramework.Agent.Agent)









Protected Instance Constructors













 <u>FunctionalCategory Constructor</u>	Initializes a new instance of the FunctionalCategory class.
--	---

Protected Instance Properties

 ServiceEventManager (inherited from Microsoft.BusinessFramework.Agent.Agent)
 ShouldInitializeEventBroker (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 ShouldValidateProperties (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)

Protected Instance Methods


 <u>Finalize</u> (inherited from Object)	Allows an <u>Object</u> to attempt to free resources and perform other cleanup operations before the <u>Object</u> is reclaimed by garbage collection.
 GetService (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	Overloaded.
 GetService (inherited from Microsoft.BusinessFramework.Agent.ServiceProvider)	Overloaded.
 InvokeDefaulting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 InvokeValidating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 <u>MemberwiseClone</u> (inherited from Object)	Creates a shallow copy of the current <u>Object</u> .
 OnCreated (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnDefaulting (inherited from Microsoft.BusinessFramework.Agent.Agent)	

 OnDeleted (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnDeleting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnFound (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnInserted (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnInserting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnPropertyValueChanged (Inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 OnPropertyValueChanging (Inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 OnServiceDefaulting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnServiceValidating (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnUpdated (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnUpdating (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnValidating (Inherited from Microsoft.BusinessFramework.Agent.Agent)	








Protected Internal Instance Properties









 ValidationMode (Inherited from Microsoft.BusinessFramework.Agent.Agent)

Protected Internal Instance Methods

 SetValidationMode (Inherited from Microsoft.BusinessFramework.Agent.Agent)
--

Explicit Interface Implementations

 IActivityConsumer.GetActivityContext (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IActivityConsumer.SetActivityContext (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IAgent.Defaulting (Inherited from Microsoft.BusinessFramework.Agent.Agent)
 IAgent.SetPropertyBindingManager (Inherited from Microsoft.BusinessFramework.Agent.Agent)
 IAgent.Validating (Inherited from Microsoft.BusinessFramework.Agent.Agent)
 IEntity.Created (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IEntity.Deleted (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)

 IEntity.Deleting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Found (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Inserted (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Inserting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.ServiceDefaulting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.SetKey (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Updated (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Updating (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	

See Also

[FunctionalCategory Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FunctionalCategory Constructor**

Initializes a new instance of the FunctionalCategory class.

```
protected FunctionalCategory();
```



See Also

[FunctionalCategory Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)








*Common Help***FunctionalCategory Properties**

The properties of the **FunctionalCategory** class are listed below. For a complete list of **FunctionalCategory** class members, see the [FunctionalCategory Members](#) topic.

Public Static Properties

 Company	Predefined functional category.
 PredefinedCompanyID	ID of the predefined company functional category.

Public Instance Properties

 Description	Description of the functional category.
 HasChanged (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 HasChangedFlags (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 ID	Gets or sets an identifier used to uniquely identify the functional category.
 IsCompany	Returns true if the functional category matches the predefined Company functional category; otherwise false.
 IsNew (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IsReadOnly (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	

 **PropertyBindingManager** (Inherited from **Microsoft.BusinessFramework.Agent.Agent**)


 **ValidationInfo** (Inherited from **Microsoft.BusinessFramework.Agent.Agent**)

 **VisibleID**

Gets or sets a human readable identifier of the functional category.

Protected Instance Properties

 **ServiceEventManager** (Inherited from **Microsoft.BusinessFramework.Agent.Agent**)

 **ShouldInitializeEventBroker** (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 **ShouldValidateProperties** (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

Protected Internal Instance Properties

 **ValidationMode** (Inherited from **Microsoft.BusinessFramework.Agent.Agent**)

See Also

[FunctionalCategory Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FunctionalCategory.Company Property

Predefined functional category.

```
public static FunctionalCategory Company {get;}
```

See Also

[FunctionalCategory Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FunctionalCategory.Description Property

Description of the functional category.

```
public string Description {get; set;}
```

See Also

[FunctionalCategory Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FunctionalCategory.ID Property

Gets or sets an identifier used to uniquely identify the functional category.

```
public System.Guid ID {get; set;}
```

See Also

[FunctionalCategory Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FunctionalCategory.IsCompany Property

Returns true if the functional category matches the predefined *Company* functional category; otherwise false.

```
public bool IsCompany {get;}
```

See Also

[FunctionalCategory Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FunctionalCategory.PredefinedCompanyID Property

ID of the predefined company functional category.

```
public static System.Guid PredefinedCompanyID {get;}
```

See Also

[FunctionalCategory Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FunctionalCategory.VisibleID Property**

Gets or sets a human readable identifier of the functional category.

```
public string VisibleID {get; set;}
```











See Also

[FunctionalCategory Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)






*Common Help***FunctionalCategory Methods**
















The methods of the **FunctionalCategory** class are listed below. For a complete list of **FunctionalCategory** class members, see the [FunctionalCategory Members](#) topic.

Public Instance Methods

 CreateChild (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	Overloaded.
 Equals (inherited from Object)	Determines whether the specified Object is equal to the current Object .
 GetHashCode (inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 GetKey	
 GetProperty (inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 GetType (inherited from Object)	Gets the Type of the current instance.
 IsValid (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 OnDeserialization (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 SetHasChanged (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 ToString	Returns VisibleID of the functional category.

Protected Instance Methods







 Finalize (inherited from Object)	Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection.
 GetService (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	Overloaded.
 GetService (inherited from Microsoft.BusinessFramework.Agent.ServiceProvider)	Overloaded.
 InvokeDefaulting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 InvokeValidating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	










 MemberwiseClone (inherited from Object)	Creates a shallow copy of the current Object .
 OnCreated (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnDefaulting (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 OnDeleted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnDeleting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnFound (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnInserted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnInserting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnPropertyValueChanged (inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 OnPropertyValueChanging (inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 OnServiceDefaulting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnServiceValidating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnUpdated (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnUpdating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnValidating (inherited from Microsoft.BusinessFramework.Agent.Agent)	

Protected Internal Instance Methods

 SetValidationMode (inherited from Microsoft.BusinessFramework.Agent.Agent)

Explicit Interface Implementations

 IActivityConsumer.GetActivityContext (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IActivityConsumer.SetActivityContext (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IAgent.Defaulting (inherited from Microsoft.BusinessFramework.Agent.Agent)
 IAgent.SetPropertyBindingManager (inherited from Microsoft.BusinessFramework.Agent.Agent)
 IAgent.Validating (inherited from Microsoft.BusinessFramework.Agent.Agent)
 IEntity.Created (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)

 IEntity.Deleted (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Deleting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Found (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Inserted (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Inserting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.ServiceDefaulting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.SetKey (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Updated (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Updating (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	

See Also

[FunctionalCategory Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FunctionalCategory.GetKey Method**

```
new public Key GetKey();
```

See Also

[FunctionalCategory Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FunctionalCategory.ToString Method**

Returns VisibleID of the functional category.

```
public override string ToString();
```

See Also

[FunctionalCategory Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FunctionalCategory.Key Class**

EntityKey class for FunctionalCategory.

For a list of all members of this type, see [FunctionalCategory.Key Members](#).

[System.Object](#)

[ClassKey](#)

[EntityKey](#)

FunctionalCategory.Key

```
public class FunctionalCategory.Key : EntityKey
```

Requirements

Namespace: [Microsoft.Business.Common.OrganizationStructure](#)









Assembly: Microsoft.Business.Common (in Microsoft.Business.Common.dll)

See Also











[FunctionalCategory.Key Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help


FunctionalCategory.Key Members[FunctionalCategory.Key overview](#)**Public Instance Properties**

 ClassType (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 ID
 IsEntityCached (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IsEntityReadOnly (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IsEntitySerializable (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 Options (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 Parent (inherited from Microsoft.BusinessFramework.ClassKey)
 Properties (inherited from Microsoft.BusinessFramework.ClassKey)

Public Instance Methods

 Clone (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	Overloaded.
 CopyFromEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 CopyToEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 Equals (inherited from Microsoft.BusinessFramework.ClassKey)	
 GetEntity	
 GetGuid (inherited from Microsoft.BusinessFramework.ClassKey)	
 GetHashCode (inherited from Microsoft.BusinessFramework.ClassKey)	
 GetType (inherited from Object)	Gets the <u>Type</u> of the current instance.
 ReleaseEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 ToString (inherited from Microsoft.BusinessFramework.ClassKey)	Overloaded.

Protected Instance Constructors






 FunctionalCategory.Key	Overloaded. Initializes a new instance of the FunctionalCategory.Key class.
---	---

Protected Instance Properties


 CanCacheValues (inherited from Microsoft.BusinessFramework.Entity.EntityKey)

Protected Instance Methods






--	--

 Finalize (Inherited from Object)	Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection.
 MemberwiseClone (Inherited from Object)	Creates a shallow copy of the current Object .
 SetParent (Inherited from Microsoft.BusinessFramework.ClassKey)	
 SetType (Inherited from Microsoft.BusinessFramework.ClassKey)	
 ShouldFixUpContainmentHierarchy (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	

Protected Internal Instance Constructors

 FunctionalCategory.Key	Overloaded. Initializes a new instance of the FunctionalCategory.Key class.
---	---

Explicit Interface Implementations

 IActivityConsumer.GetActivityContext (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IActivityConsumer.SetActivityContext (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IDeserializationCallback.OnDeserialization (Inherited from Microsoft.BusinessFramework.ClassKey)
 IInternalKey.SetEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IInternalKey.SetParent (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)

See Also

[FunctionalCategory.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FunctionalCategory.Key Constructor

Initializes a new instance of the Key class.

Overload List

Initializes a new instance of the Key class.

`protected FunctionalCategory.Key();`
`protected internal FunctionalCategory.Key(Guid,IKey);`

See Also

[FunctionalCategory.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FunctionalCategory.Key Constructor ()

Initializes a new instance of the Key class.

```
protected FunctionalCategory.Key();
```

See Also

[FunctionalCategory.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FunctionalCategory.Key Constructor Overload List](#)

Common Help

FunctionalCategory.Key Constructor (Guid, IKey)

```
protected internal FunctionalCategory.Key(  
    Guid id,  
    IKey parent
```

>

See Also

[FunctionalCategory.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FunctionalCategory.Key Constructor Overload List](#)

*Common Help***FunctionalCategory.Key Properties**

The properties of the **FunctionalCategory.Key** class are listed below. For a complete list of **FunctionalCategory.Key** class members, see the [FunctionalCategory.Key Members](#) topic.

Public Instance Properties

 **ClassType** (inherited from **Microsoft.BusinessFramework.Entity.EntityKey**)

 **ID**

 **IsEntityCached** (inherited from **Microsoft.BusinessFramework.Entity.EntityKey**)

 **IsEntityReadOnly** (inherited from **Microsoft.BusinessFramework.Entity.EntityKey**)

 **IsEntitySerializable** (inherited from **Microsoft.BusinessFramework.Entity.EntityKey**)

 **Options** (inherited from **Microsoft.BusinessFramework.Entity.EntityKey**)

 **Parent** (inherited from **Microsoft.BusinessFramework.ClassKey**)

 **Properties** (inherited from **Microsoft.BusinessFramework.ClassKey**)

Protected Instance Properties

 **CanCacheValues** (inherited from **Microsoft.BusinessFramework.Entity.EntityKey**)

See Also

[FunctionalCategory.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FunctionalCategory.Key.ID Property**

```
public System.Guid ID {get;}
```

See Also

[FunctionalCategory.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FunctionalCategory.Key Methods**

The methods of the **FunctionalCategory.Key** class are listed below. For a complete list of **FunctionalCategory.Key** class members, see the [FunctionalCategory.Key Members](#) topic.








Public Instance Methods

 **Clone** (inherited from **Microsoft.BusinessFramework.Entity.EntityKey**)






Overloaded.

 **CopyFromEntity** (inherited from **Microsoft.BusinessFramework.Entity.EntityKey**)






 **CopyToEntity** (inherited from **Microsoft.BusinessFramework.Entity.EntityKey**)

 Equals (Inherited from Microsoft.BusinessFramework.ClassKey)	
 GetEntity	
 GetGuld (Inherited from Microsoft.BusinessFramework.ClassKey)	
 GetHashCode (Inherited from Microsoft.BusinessFramework.ClassKey)	
 GetType (Inherited from Object)	Gets the <u>Type</u> of the current instance.
 ReleaseEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 ToString (Inherited from Microsoft.BusinessFramework.ClassKey)	Overloaded.

Protected Instance Methods

 Finalize (Inherited from Object)	Allows an <u>Object</u> to attempt to free resources and perform other cleanup operations before the <u>Object</u> is reclaimed by garbage collection.
 MemberwiseClone (Inherited from Object)	Creates a shallow copy of the current <u>Object</u> .
 SetParent (Inherited from Microsoft.BusinessFramework.ClassKey)	
 SetType (Inherited from Microsoft.BusinessFramework.ClassKey)	
 ShouldFixUpContainmentHierarchy (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	

Explicit Interface Implementations

 IActivityConsumer.GetActivityContext (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IActivityConsumer.SetActivityContext (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IDeserializationCallback.OnDeserialization (Inherited from Microsoft.BusinessFramework.ClassKey)
 IInternalKey.SetEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IInternalKey.SetParent (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)

See Also

[FunctionalCategory.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FunctionalCategory.Key.GetEntity Method**

```
new public FunctionalCategory GetEntity();
```

See Also

[FunctionalCategory.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FunctionalCategoryVirtualCollection Class**

Entity VirtualCollection for FunctionalCategory.

For a list of all members of this type, see [FunctionalCategoryVirtualCollection Members](#).

[System.Object](#)
[ServiceProvider](#)
[EntityVirtualCollection](#)
FunctionalCategoryVirtualCollection

```
public class FunctionalCategoryVirtualCollection : EntityVirtualCollection
```

Requirements

Namespace: [Microsoft.Business.Common.OrganizationStructure](#)

Assembly: Microsoft.Business.Common (in Microsoft.Business.Common.dll)

See Also


[FunctionalCategoryVirtualCollection Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help




FunctionalCategoryVirtualCollection Members

[FunctionalCategoryVirtualCollection overview](#)






Public Instance Constructors














 FunctionalCategoryVirtualCollection	Overloaded. Initializes a new instance of the FunctionalCategoryVirtualCollection class.
---	--

Public Instance Properties










 CollectionOptions (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 CreateOptions (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 DataLocationPolicy (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 EntityClassName (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 EntityType (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 FilterOptions (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 FindOptions (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 ParentKey (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 SecurityOptions (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 TransactionOptions (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)

Public Instance Methods


 Abort (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 ClearCache (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 Create (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 Create	Overloaded.
 Delete (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.

 DeleteAll (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 DeleteByID	
 Equals (Inherited from Object)	Determines whether the specified Object is equal to the current Object .
 Find (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 Find	Overloaded.
 FindAll (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 FindAllWithBlock (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 FindByID	
 FindByVisibleID	
 GetHashCode (Inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 GetType (Inherited from Object)	Gets the Type of the current instance.
 Save (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 ToString (Inherited from Object)	Returns a String that represents the current Object .

Protected Instance Methods

 CanCreate (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 CanDelete	Overloaded.
 CanSave (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 Finalize (Inherited from Object)	Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection.
 GetService (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 GetService (Inherited from Microsoft.BusinessFramework.Agent.ServiceProvider)	Overloaded.
 MemberwiseClone (Inherited from Object)	Creates a shallow copy of the current Object .
 VerifyEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 VerifyKey (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	

Protected Internal Instance Methods

 OnGetEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
--	--

See Also

[FunctionalCategoryVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

[Common Help](#)

FunctionalCategoryVirtualCollection Constructor

Initializes a new instance of the FunctionalCategoryVirtualCollection class.

Overload List

Initializes a new instance of the FunctionalCategoryVirtualCollection class.

```
public FunctionalCategoryVirtualCollection();
public FunctionalCategoryVirtualCollection(IKey);
```

See Also

[FunctionalCategoryVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

FunctionalCategoryVirtualCollection Constructor ()

Initializes a new instance of the FunctionalCategoryVirtualCollection class.

```
public FunctionalCategoryVirtualCollection();
```

See Also

[FunctionalCategoryVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FunctionalCategoryVirtualCollection Constructor Overload List](#)

Common Help

FunctionalCategoryVirtualCollection Constructor (IKey)

```
public FunctionalCategoryVirtualCollection(
    IKey parentKey
);
```

See Also












[FunctionalCategoryVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FunctionalCategoryVirtualCollection Constructor Overload List](#)

Common Help

FunctionalCategoryVirtualCollection Methods

The methods of the **FunctionalCategoryVirtualCollection** class are listed below. For a complete list of **FunctionalCategoryVirtualCollection** class members, see the [FunctionalCategoryVirtualCollection Members](#) topic.

Public Instance Methods

 Abort (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 ClearCache (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 Create (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 Create	Overloaded.
 Delete (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 DeleteAll (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 DeleteByID	
 Equals (inherited from Object)	Determines whether the specified Object is equal to the current Object .
 Find (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 Find	Overloaded.
 FindAll (inherited from	Overloaded.

Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
FindAllWithBlock (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
FindByID	
FindByVisibleID	
GetHashCode (inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
GetType (inherited from Object)	Gets the <u>Type</u> of the current instance.
Save (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
ToString (inherited from Object)	Returns a <u>String</u> that represents the current <u>Object</u> .

Protected Instance Methods

CanCreate (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
CanDelete	Overloaded.
CanSave (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
Finalize (inherited from Object)	Allows an <u>Object</u> to attempt to free resources and perform other cleanup operations before the <u>Object</u> is reclaimed by garbage collection.
GetService (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
GetService (inherited from Microsoft.BusinessFramework.Agent.ServiceProvider)	Overloaded.
MemberwiseClone (inherited from Object)	Creates a shallow copy of the current <u>Object</u> .
VerifyEntity (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
VerifyKey (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	

Protected Internal Instance Methods

OnGetEntity (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
---	--

See Also

[FunctionalCategoryVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FunctionalCategoryVirtualCollection.CanDelete Method****Overload List**

`protected override bool CanDelete(EntityKey);`
`protected override bool CanDelete(IEntity);`

See Also

[FunctionalCategoryVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FunctionalCategoryVirtualCollection.CanDelete Method (EntityKey)**

```
protected override bool CanDelete(
    EntityKey key
);
```

See Also

[FunctionalCategoryVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FunctionalCategoryVirtualCollection.CanDelete Overload List](#)

*Common Help***FunctionalCategoryVirtualCollection.CanDelete Method (IEntity)**

```
protected override bool CanDelete(
    IEntity entity
);
```

See Also

[FunctionalCategoryVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FunctionalCategoryVirtualCollection.CanDelete Overload List](#)

*Common Help***FunctionalCategoryVirtualCollection.Create Method****Overload List**

[new public FunctionalCategory Create\(\);](#)

Inherited from [EntityVirtualCollection](#).

[public virtual IEntity Create\(EntityKey\);](#)

See Also

[FunctionalCategoryVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FunctionalCategoryVirtualCollection.Create Method ()**

```
new public FunctionalCategory Create();
```

See Also

[FunctionalCategoryVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FunctionalCategoryVirtualCollection.Create Overload List](#)

*Common Help***FunctionalCategoryVirtualCollection.DeleteByID Method**

```
public void DeleteByID(
    Guid id
);
```

See Also

[FunctionalCategoryVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FunctionalCategoryVirtualCollection.Find Method****Overload List**

[new public FunctionalCategory Find\(EntityCriteria\);](#)

Inherited from [EntityVirtualCollection](#).

[public virtual IEntity Find\(WhereExpression\);](#)

See Also

[FunctionalCategoryVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FunctionalCategoryVirtualCollection.Find Method (EntityCriteria)**

```
new public FunctionalCategory Find(
    EntityCriteria criteria
);
```

See Also

[FunctionalCategoryVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FunctionalCategoryVirtualCollection.Find Overload List](#)

*Common Help***FunctionalCategoryVirtualCollection.FindByID Method**

```
public FunctionalCategory FindByID(  
    Guid id  
) ;
```

See Also

[FunctionalCategoryVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***FunctionalCategoryVirtualCollection.FindByVisibleID Method**

```
public FunctionalCategory FindByVisibleID(  
    string visibleID  
) ;
```

See Also

[FunctionalCategoryVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***IFilterLink Interface**

Represents a link between two IIdentifiable objects. One of them should be decorated with [FilterableAttribute](#), the other one should be decorated with [FilterableContainerAttribute](#).

For a list of all members of this type, see [IFilterLink Members](#).

```
public interface IFilterLink
```

Remarks**Requirements**

Namespace: [Microsoft.Business.Common.OrganizationStructure](#)

Assembly: Microsoft.Business.Common (in Microsoft.Business.Common.dll)



See Also

[IFilterLink Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterableAttribute](#) | [FilterableContainerAttribute](#)

*Common Help***IFilterLink Members**

[IFilterLink overview](#)

Public Instance Properties

 FilterableContainerID
 FilterableID



See Also

[IFilterLink Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterableAttribute](#) | [FilterableContainerAttribute](#)

*Common Help***IFilterLink Properties**

The properties of the **IFilterLink** interface are listed below. For a complete list of **IFilterLink** interface members, see the [IFilterLink Members](#) topic.

Public Instance Properties

 FilterableContainerID
 FilterableID

See Also

[IFilterLink Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [FilterableAttribute](#) | [FilterableContainerAttribute](#)

*Common Help***IFilterLink.FilterableContainerID Property**

```
System.Guid FilterableContainerID {get;}
```

See Also

[IFilterLink Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***IFilterLink.FilterableID Property**

```
System.Guid FilterableID {get;}
```

See Also

[IFilterLink Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***IFilterLinkFactory Interface**

IFilterLinkFactory represents a factory of IFilterLinks.

For a list of all members of this type, see [IFilterLinkFactory Members](#).

```
public interface IFilterLinkFactory
```

Remarks

Initialize must always be called before calling any other method of the factory.

Requirements

Namespace: [Microsoft.Business.Common.OrganizationStructure](#)

Assembly: Microsoft.Business.Common (in Microsoft.Business.Common.dll)










See Also











[IFilterLinkFactory Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***IFilterLinkFactory Members**

[IFilterLinkFactory overview](#)

Public Instance Methods

 ChangeLevel	When implemented by a class, changes the level of all filter link within the factory.
 CopyAll	When implemented by a class, copies all links linked to given filterable container object to another filterable container object.
 Create	When implemented by a class, creates filter link between filterable object with given ID and filterable container object with given ID.
 Delete	When implemented by a class, deletes specified link from the factory.
 DeleteAll	When implemented by a class, deletes all filter links from the factory.
 DeleteAllForContainer	When implemented by a class, deletes all links linked to given IFilterableContainer object from the factory.
 DeleteAllForFilterable	Overloaded. When implemented by a class, deletes all links linked to given filterable object from the factory.
 Find	When implemented by a class, finds specified filter link.
 FindAllForContainer	When implemented by a class, finds all filterable objects linked to given filterable container object.

 FindAllForFilterable	When implemented by a class, finds all filterable container objects linked to given filterable object.
 Initialize	When implemented by a class, initializes filter link factory.
 IsEmpty	When implemented by a class, determines whether the factory contains any links.
 IsLinked	When implemented by a class, determines whether given link exists.
 IsLinkedToAnyContainer	When implemented by a class, determines whether the factory contains any links for given filterable object.
 IsLinkedToAnyFilterable	When implemented by a class, determines whether the factory contains any links for given filterable container object.
 IsLinkedToAnyOtherContainer	Overloaded. When implemented by a class, determines whether the factory contains any link linked to filterable container that does not belong to given set of filterable containers.
 MoveAll	When implemented by a class, moves all links linked to given filterable container object to another filterable container object.
 Save	Overloaded. When implemented by a class, saves given filter link.
 SaveAll	When implemented by a class, saves multiple filter links.















See Also






[IFilterLinkFactory Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***IFilterLinkFactory Methods**

The methods of the **IFilterLinkFactory** interface are listed below. For a complete list of **IFilterLinkFactory** interface members, see the [IFilterLinkFactory Members](#) topic.

Public Instance Methods

 ChangeLevel	When implemented by a class, changes the level of all filter link within the factory.
 CopyAll	When implemented by a class, copies all links linked to given filterable container object to another filterable container object.
 Create	When implemented by a class, creates filter link between filterable object with given ID and filterable container object with given ID.
 Delete	When implemented by a class, deletes specified link from the factory.
 DeleteAll	When implemented by a class, deletes all filter links from the factory.
 DeleteAllForContainer	When implemented by a class, deletes all links linked to given IFilterableContainer object from the factory.
 DeleteAllForFilterable	Overloaded. When implemented by a class, deletes all links linked to given filterable object from the factory.
 Find	When implemented by a class, finds specified filter link.
 FindAllForContainer	When implemented by a class, finds all filterable objects linked to given filterable container object.
 FindAllForFilterable	When implemented by a class, finds all filterable container objects linked to given filterable object.
 Initialize	When implemented by a class, initializes filter link factory.
 IsEmpty	When implemented by a class, determines whether the factory contains any links.
 IsLinked	When implemented by a class, determines whether given link exists.
 IsLinkedToAnyContainer	When implemented by a class, determines whether the factory contains any links for given filterable object.

 IsLinkedToAnyFilterable	When implemented by a class, determines whether the factory contains any links for given filterable container object.
 IsLinkedToAnyOtherContainer	Overloaded. When implemented by a class, determines whether the factory contains any link linked to filterable container that does not belong to given set of filterable containers.
 MoveAll	When implemented by a class, moves all links linked to given filterable container object to another filterable container object.
 Save	Overloaded. When implemented by a class, saves given filter link.
 SaveAll	When implemented by a class, saves multiple filter links.

See Also

[IFilterLinkFactory Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***IFilterLinkFactory.ChangeLevel Method**

When implemented by a class, changes the level of all filter link within the factory.

```
void ChangeLevel(
    FilterLevel oldLevel,
    FilterLevel newLevel
);
```

Parameters

oldLevel
The level to change from.

newLevel
The level to change to.

See Also

[IFilterLinkFactory Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***IFilterLinkFactory.CopyAll Method**

When implemented by a class, copies all links linked to given filterable container object to another filterable container object.

```
void CopyAll(
    Guid oldFilterableContainerID,
    Guid newFilterableContainerID
);
```

Parameters

oldFilterableContainerID
newFilterableContainerID

See Also

[IFilterLinkFactory Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***IFilterLinkFactory.Create Method**

When implemented by a class, creates filter link between filterable object with given ID and filterable container object with given ID.

```
IFilterLink Create(
    Guid filterableID,
    Guid filterableContainerID
);
```

Parameters

filterableID
ID of an [IIdentifiable](#) object decorated with [FilterableAttribute](#).

filterableContainerID
ID of an [IIdentifiable](#) object decorated with [FilterableContainerAttribute](#).

Return Value

Created filter link.

See Also

[IFilterLinkFactory Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

IFilterLinkFactory.Delete Method

When implemented by a class, deletes specified link from the factory.

```
void Delete(  
    Guid filterableID,  
    Guid filterableContainerID  
);
```

Parameters

filterableID

FilterableID of the link

filterableContainerID

FilterableContainerID of the link.

See Also

[IFilterLinkFactory Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

IFilterLinkFactory.DeleteAll Method

When implemented by a class, deletes all filter links from the factory.

```
void DeleteAll();
```

See Also

[IFilterLinkFactory Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

IFilterLinkFactory.DeleteAllForContainer Method

When implemented by a class, deletes all links linked to given **IFilterableContainer** object from the factory.

```
void DeleteAllForContainer(  
    Guid filterableContainerID  
);
```

Parameters

filterableContainerID

FilterableContainerID of links being deleted.

See Also

[IFilterLinkFactory Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

IFilterLinkFactory.DeleteAllForFilterable Method

When implemented by a class, deletes all links linked to given filterable object from the factory.

Overload List

When implemented by a class, deletes all links linked to given filterable object from the factory.

```
void DeleteAllForFilterable(Guid);
```

When implemented by a class, deletes all links linked to given filterable object and also linked to given set of filterable containers from the factory.

```
void DeleteAllForFilterable(Guid, GuidCollection);
```

See Also

[IFilterLinkFactory Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

IFilterLinkFactory.DeleteAllForFilterable Method (Guid)

When implemented by a class, deletes all links linked to given filterable object from the factory.


```
void DeleteAllForFilterable(
    Guid filterableID
);
```

Parameters*filterableID***FilterableID** of links being deleted**See Also**

[IFilterLinkFactory Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [IFilterLinkFactory.DeleteAllForFilterable Overload List](#)

*Common Help***IFilterLinkFactory.DeleteAllForFilterable Method (Guid, GuidCollection)**

When implemented by a class, deletes all links linked to given filterable object and also linked to given set of filterable containers from the factory.

```
void DeleteAllForFilterable(
    Guid filterableID,
    GuidCollection containers
);
```

Parameters*filterableID***FilterableID** of links being deleted.*containers***FilterableContainerIDs** of links being deleted**See Also**

[IFilterLinkFactory Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [IFilterLinkFactory.DeleteAllForFilterable Overload List](#)

*Common Help***IFilterLinkFactory.Find Method**

When implemented by a class, finds specified filter link.

```
IFilterLink Find(
    Guid filterableID,
    Guid filterableContainerID
);
```

Parameters*filterableID*ID of an [IIdentifiable](#) object decorated with [FilterableAttribute](#).*filterableContainerID*ID of an [IIdentifiable](#) object decorated with [FilterableContainerAttribute](#).**Return Value**

Filter link found between the two objects passed in; null if not found.

See Also

[IFilterLinkFactory Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***IFilterLinkFactory.FindAllForContainer Method**

When implemented by a class, finds all filterable objects linked to given filterable container object.

```
GuidCollection FindAllForContainer(
    Guid filterableContainerID
);
```

Parameters*filterableContainerID*

ID of filterable container object

See Also

[IFilterLinkFactory Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

IFilterLinkFactory.FindAllForFilterable Method

When implemented by a class, finds all filterable container objects linked to given filterable object.

```
GuidCollection FindAllForFilterable(  
    Guid filterableID  
);
```

Parameters

filterableID
ID of filterable object

See Also

[IFilterLinkFactory Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

IFilterLinkFactory.Initialize Method

When implemented by a class, initializes filter link factory.

```
void Initialize(  
    Type filterLinkType,  
    Type filterableType,  
    bool isStorageShared  
);
```

Parameters

filterLinkType
Type of filter links that factory produces.

filterableType
Filterable type of the links that factory produces.

isStorageShared
Indicates if given type of links has an exclusive storage.

Remarks

The factory must be initialized before calling any other method.

See Also

[IFilterLinkFactory Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

IFilterLinkFactory.IsEmpty Method

When implemented by a class, determines whether the factory contains any links.

```
bool IsEmpty();
```

Return Value

True if no link exists; false otherwise.

See Also

[IFilterLinkFactory Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

IFilterLinkFactory.IsLinked Method

When implemented by a class, determines whether given link exists.

```
bool IsLinked(  
    Guid filterableID,  
    Guid filterableContainerID  
);
```

Parameters

filterableID
FilterableID of the link.

filterableContainerID
FilterableContainerID of the link.

Return Value

True if the link exists; false otherwise;

See Also

[IFilterLinkFactory Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***IFilterLinkFactory.IsLinkedToAnyContainer Method**

When implemented by a class, determines whether the factory contains any links for given filterable object.

```
bool IsLinkedToAnyContainer(  
    Guid filterableID  
);
```

Parameters

filterableID

ID of filterable object.

Return Value

True if any matching links exist; false otherwise.

See Also

[IFilterLinkFactory Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***IFilterLinkFactory.IsLinkedToAnyFilterable Method**

When implemented by a class, determines whether the factory contains any links for given filterable container object.

```
bool IsLinkedToAnyFilterable(  
    Guid filterableContainerID  
);
```

Parameters

filterableContainerID

ID of filterable container object.

Return Value

True if any matching links exist; false otherwise.

See Also

[IFilterLinkFactory Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***IFilterLinkFactory.IsLinkedToAnyOtherContainer Method**

When implemented by a class, determines whether the factory contains any link linked to filterable container that does not belong to given set of filterable containers.

Overload List

When implemented by a class, determines whether the factory contains any link linked to filterable container that does not belong to given set of filterable containers.

```
bool IsLinkedToAnyOtherContainer(GuidCollection);
```

When implemented by a class, determines whether the factory contains any link for given filterable object linking it to filterable container that does not belong to given set of filterable containers.

```
bool IsLinkedToAnyOtherContainer(Guid, GuidCollection);
```

See Also

[IFilterLinkFactory Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***IFilterLinkFactory.IsLinkedToAnyOtherContainer Method (GuidCollection)**

When implemented by a class, determines whether the factory contains any link linked to filterable container that does not belong to given set of filterable containers.

```
bool IsLinkedToAnyOtherContainer(  
    GuidCollection containers  
);
```

Parameters*containers*

IDs of filterable container objects.

Return Value

True if any matching links exist; false otherwise.

See Also

[IFilterLinkFactory Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [IFilterLinkFactory.IsLinkedToAnyOtherContainer Overload List](#)

*Common Help***IFilterLinkFactory.IsLinkedToAnyOtherContainer Method (Guid, GuidCollection)**

When implemented by a class, determines whether the factory contains any link for given filterable object linking it to filterable container that does not belong to given set of filterable containers.

```
bool IsLinkedToAnyOtherContainer(
    Guid filterableID,
    GuidCollection containers
);
```

Parameters*filterableID*

ID of filterable object.

containers

IDs of filterable container objects.

Return Value

True if any matching links exist; false otherwise.

See Also

[IFilterLinkFactory Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [IFilterLinkFactory.IsLinkedToAnyOtherContainer Overload List](#)

*Common Help***IFilterLinkFactory.MoveAll Method**

When implemented by a class, moves all links linked to given filterable container object to another filterable container object.

```
void MoveAll(
    Guid oldFilterableContainerID,
    Guid newFilterableContainerID
);
```

Parameters*oldFilterableContainerID**newFilterableContainerID***See Also**

[IFilterLinkFactory Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***IFilterLinkFactory.Save Method**

When implemented by a class, saves given filter link.

Overload List

When implemented by a class, saves given filter link.

[void Save\(IFilterLink,bool,bool\);](#)

When implemented by a class, saves given filter link.

[void Save\(Guid,Guid,bool\);](#)

See Also

[IFilterLinkFactory Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***IFilterLinkFactory.Save Method (IFilterLink, Boolean, Boolean)**

When implemented by a class, saves given filter link.

```
void Save(
    IFilterLink link,
    bool validateFilterable,
    bool validateFilterableContainer
);
```

Parameters

link

Filter link to save.

validateFilterable

True indicates that link should not be save if given filterable object has not yet been saved.

validateFilterableContainer

See Also

[IFilterLinkFactory Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [IFilterLinkFactory.Save Overload List](#)

Common Help

IFilterLinkFactory.Save Method (Guid, Guid, Boolean)

When implemented by a class, saves given filter link.

```
void Save(
    Guid filterableID,
    Guid filterableContainerID,
    bool validateFilterable
);
```

Parameters

filterableID

FilterableID of the link

filterableContainerID

FilterableContainerID of the link.

validateFilterable

True indicates that link should not be save if given filterable object has not yet been saved.

See Also

[IFilterLinkFactory Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [IFilterLinkFactory.Save Overload List](#)

Common Help

IFilterLinkFactory.SaveAll Method

When implemented by a class, saves multiple filter links.

```
void SaveAll(
    Guid filterableID,
    GuidCollection filterableContainers,
    bool validateFilterable
);
```

Parameters

filterableID

FilterableID of links to be saved

filterableContainers

FilterableContainerIDs of links to be saved.

validateFilterable

True indicates that link should not be save if given filterable object has not yet been saved.

See Also

[IFilterLinkFactory Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

OrganizationTree Class

Represents an organization hierarchy.

For a list of all members of this type, see [OrganizationTree Members](#).

[System.Object](#)

ServiceProvider

Agent

BusinessEntity
 PersistentTree
OrganizationTree

```
public class OrganizationTree : PersistentTree
```

Remarks

Only business units can be attached as residents of tree nodes.

Requirements

Namespace: [Microsoft.Business.Common.OrganizationStructure](#)

Assembly: Microsoft.Business.Common (in Microsoft.Business.Common.dll)

See Also


[OrganizationTree Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [OrganizationTreeNode](#) | [BusinessUnit](#)

Common Help


















OrganizationTree Members

[OrganizationTree overview](#)

Public Static Properties



























 EnterpriseKey	Gets the enterprise organization tree.
---	--

Public Instance Properties


 HasChanged (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 HasChangedFlags (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 HasFilterAttachedOption (inherited from PersistentTree)	Gets a value that indicates whether the tree type has FilterAttached option set.
 HasFilterMaintainedOption (inherited from PersistentTree)	Gets a value that indicates whether the tree type has FilterMaintained option set.
 HasGroupingOption (inherited from PersistentTree)	Gets a value that indicates whether the tree type has grouping option set.
 HasResidentRequiredOption (inherited from PersistentTree)	Gets a value that indicates whether the tree type has data required option set.
 HasResidentUniqueForAllTreesOption (inherited from PersistentTree)	Gets a value that indicates whether the tree type requires unique residents for all trees.
 HasResidentUniqueOption (inherited from PersistentTree)	Gets a value that indicates whether the tree type requires unique residents for each tree.
 ID (inherited from PersistentTree)	Gets the unique identifier of the tree.
 IsEmpty (inherited from PersistentTree)	Gets a value that indicates whether the tree has any nodes.
 IsNew (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IsReadOnly (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IsUsingCache (inherited from PersistentTree)	Gets the value that indicates whether this tree uses cache.
 NodeType (inherited from PersistentTree)	Gets the type of the corresponding tree node.
 PropertyBindingManager (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 RootID (inherited from PersistentTree)	Gets the ID of the root node of the tree.
 Status	Gets or sets status of the organization tree.












 ValidationInfo (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
---	--

Public Instance Methods


 CascadingDelete (Inherited from PersistentTree)	Deletes the specified node and all nodes below in the hierarchy.
 CreateChild (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	Overloaded.
 CreateRoot	Creates a root node of the tree.
 Delete (Inherited from PersistentTree)	Deletes specified node from the tree.
 Equals (Inherited from Object)	Determines whether the specified <u>Object</u> is equal to the current <u>Object</u> .
 FindAll (Inherited from PersistentTree)	Finds all nodes for this tree.
 FindByID	Finds the node with given ID.
 FindByResident (Inherited from PersistentTree)	Overloaded. Finds all nodes with given resident attached.
 GetAllowedResidentTypes (Inherited from PersistentTree)	Gets resident types that are allowed for this tree.
 GetChildren	Get the children business units in the tree.
 GetGroupRoot	Gets the company business unit in the tree.
 GetHashCode (Inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 GetKey	
 GetNode	Gets the node containing specified business unit as resident.
 GetParent	Gets the parent business unit in the tree.
 GetProperty (Inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 GetResidentType (Inherited from PersistentTree)	Gets resident type corresponding to given type id.
 GetResidentTypeID (Inherited from PersistentTree)	Gets resident type id corresponding to given resident type.
 GetRoot	Gets the root of the tree.
 GetSupportedResidentTypes (Inherited from PersistentTree)	Gets resident types that are supported by the tree type.
 GetType (Inherited from Object)	Gets the <u>Type</u> of the current instance.
 IsValid (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 OnDeserialization (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 SetAllowedResidentTypes (Inherited from PersistentTree)	Sets resident types allowed for the tree.
 SetHasChanged (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 ToString (Inherited from Object)	Returns a <u>String</u> that represents the current <u>Object</u> .

Public Instance Events




 Created (Inherited from	
---	--

Microsoft.BusinessFramework.Entity.BusinessEntity)	
 Defaulting (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 Deleted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 Deleting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 Found (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 Inserted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 Inserting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 ServiceDefaulting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 ServiceValidating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 Updated (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 Updating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 Validating (inherited from Microsoft.BusinessFramework.Agent.Agent)	







Protected Instance Constructors
















 <u>OrganizationTree Constructor</u>	Initializes a new instance of the OrganizationTree class.
---	---

Protected Instance Properties



 ServiceEventManager (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 ShouldInitializeEventBroker (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 ShouldValidateProperties (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	

Protected Instance Methods








 <u>Create</u> (inherited from PersistentTree)	
 <u>Finalize</u> (inherited from Object)	Allows an <u>Object</u> to attempt to free resources and perform other cleanup operations before the <u>Object</u> is reclaimed by garbage collection.
 <u>GetService</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	Overloaded.
 <u>GetService</u> (inherited from Microsoft.BusinessFramework.Agent.ServiceProvider)	Overloaded.
 <u>InvokeDefaulting</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 <u>InvokeValidating</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	

 <u>MemberwiseClone</u> (inherited from Object)	Creates a shallow copy of the current <u>Object</u> .
 <u>OnCreated</u> (inherited from PersistentTree)	
 <u>OnDefaulting</u> (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 <u>OnDeleted</u> (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 <u>OnDeleting</u> (inherited from PersistentTree)	
 <u>OnFound</u> (inherited from PersistentTree)	
 <u>OnInserted</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 <u>OnInserting</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 <u>OnPropertyValueChanged</u> (inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 <u>OnPropertyValueChanging</u> (inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 <u>OnServiceDefaulting</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 <u>OnServiceValidating</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 <u>OnUpdated</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 <u>OnUpdating</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 <u>OnValidating</u>	


Protected Internal Instance Properties
















 <u>Cache</u> (inherited from PersistentTree)
 <u>ValidationMode</u> (inherited from Microsoft.BusinessFramework.Agent.Agent)

Protected Internal Instance Methods

 <u>AddChild</u> (inherited from PersistentTree)	Add a new child node to the given node of the tree.
 <u>AddParent</u> (inherited from PersistentTree)	
 <u>AttachResident</u>	Attaches a resident to given node.
 <u>DetachResident</u> (inherited from PersistentTree)	Detach resident from a given node of the tree.
 <u>Move</u> (inherited from PersistentTree)	Detaches subtree from one node and attaches it to another node.
 <u>SetGroupRoot</u>	Sets up given node as a group root.
 <u>SetValidationMode</u> (inherited from Microsoft.BusinessFramework.Agent.Agent)	

Explicit Interface Implementations

 <u>IActivityConsumer.GetActivityContext</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
--

 IActivityConsumer.SetActivityContext (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IAgent.Defaulting (Inherited from Microsoft.BusinessFramework.Agent.Agent)
 IAgent.SetPropertyBindingManager (Inherited from Microsoft.BusinessFramework.Agent.Agent)
 IAgent.Validating (Inherited from Microsoft.BusinessFramework.Agent.Agent)
 ICloneable.Clone (Inherited from PersistentTree)
 IEntity.Created (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IEntity.Deleted (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IEntity.Deleting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IEntity.Found (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IEntity.Inserted (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IEntity.Inserting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IEntity.ServiceDefaulting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IEntity.SetKey (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IEntity.Updated (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IEntity.Updating (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)

See Also

[OrganizationTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [OrganizationTreeNode](#) | [BusinessUnit](#)

*Common Help***OrganizationTree Constructor**

Initializes a new instance of the OrganizationTree class.

```
protected OrganizationTree();
```


See Also

[OrganizationTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)



















*Common Help***OrganizationTree Properties**

The properties of the **OrganizationTree** class are listed below. For a complete list of **OrganizationTree** class members, see the [OrganizationTree Members](#) topic.




Public Static Properties

 EnterpriseKey	Gets the enterprise organization tree.
--	--

Public Instance Properties

 HasChanged (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 HasChangedFlags (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 HasFilterAttachedOption (Inherited from PersistentTree)	Gets a value that indicates whether the tree type has FilterAttached option set.
 HasFilterMaintainedOption (Inherited from PersistentTree)	Gets a value that indicates whether the tree type has FilterMaintained option set.
 HasGroupingOption (Inherited from PersistentTree)	Gets a value that indicates whether the tree type has grouping option set.
 HasResidentRequiredOption (Inherited from PersistentTree)	Gets a value that indicates whether the tree type has data required option set.
 HasResidentUniqueForAllTreesOption (Inherited from PersistentTree)	Gets a value that indicates whether the tree type requires unique residents for all trees.
 HasResidentUniqueOption (Inherited from PersistentTree)	Gets a value that indicates whether the tree type requires unique residents for each tree.
 ID (Inherited from PersistentTree)	Gets the unique identifier of the tree.
 IsEmpty (Inherited from PersistentTree)	Gets a value that indicates whether the tree has any nodes.
 IsNew (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IsReadOnly (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IsUsingCache (Inherited from PersistentTree)	Gets the value that indicates whether this tree uses cache.
 NodeType (Inherited from PersistentTree)	Gets the type of the corresponding tree node.
 PropertyBindingManager (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 RootID (Inherited from PersistentTree)	Gets the ID of the root node of the tree.
 Status	Gets or sets status of the organization tree.
 ValidationInfo (Inherited from Microsoft.BusinessFramework.Agent.Agent)	

Protected Instance Properties

 ServiceEventManager (Inherited from Microsoft.BusinessFramework.Agent.Agent)
 ShouldInitializeEventBroker (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 ShouldValidateProperties (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)

Protected Internal Instance Properties

 Cache (Inherited from PersistentTree)
 ValidationMode (Inherited from Microsoft.BusinessFramework.Agent.Agent)

See Also

[OrganizationTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [OrganizationTreeNode](#) | [BusinessUnit](#)

*Common Help***OrganizationTree.EnterpriseKey Property**

Gets the enterprise organization tree.

```
public static OrganizationTree.Key EnterpriseKey {get;}
```

See Also

[OrganizationTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

OrganizationTree.Status Property

Gets or sets status of the organization tree.

```
public OrganizationTreeStatus Status {get; set;}
```

See Also





















[OrganizationTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

OrganizationTree Methods

The methods of the **OrganizationTree** class are listed below. For a complete list of **OrganizationTree** class members, see the [OrganizationTree Members](#) topic.

Public Instance Methods


 CascadingDelete (inherited from PersistentTree)	Deletes the specified node and all nodes below in the hierarchy.
 CreateChild (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	Overloaded.
 CreateRoot	Creates a root node of the tree.
 Delete (inherited from PersistentTree)	Deletes specified node from the tree.
 Equals (inherited from Object)	Determines whether the specified Object is equal to the current Object .
 FindAll (inherited from PersistentTree)	Finds all nodes for this tree.
 FindByID	Finds the node with given ID.
 FindByResident (inherited from PersistentTree)	Overloaded. Finds all nodes with given resident attached.
 GetAllowedResidentTypes (inherited from PersistentTree)	Gets resident types that are allowed for this tree.
 GetChildren	Get the children business units in the tree.
 GetGroupRoot	Gets the company business unit in the tree.
 GetHashCode (inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 GetKey	
 GetNode	Gets the node containing specified business unit as resident.
 GetParent	Gets the parent business unit in the tree.
 GetProperty (inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 GetResidentType (inherited from PersistentTree)	Gets resident type corresponding to given type id.
 GetResidentTypeID (inherited from PersistentTree)	Gets resident type id corresponding to given resident type.
 GetRoot	Gets the root of the tree.
 GetSupportedResidentTypes (inherited from PersistentTree)	Gets resident types that are supported by the tree type.

<u>GetType</u> (Inherited from Object)	Gets the <u>Type</u> of the current instance.
<u>IsValid</u> (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
<u>OnDeserialization</u> (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
<u>SetAllowedResidentTypes</u> (Inherited from PersistentTree)	Sets resident types allowed for the tree.
<u>SetHasChanged</u> (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
<u>ToString</u> (Inherited from Object)	Returns a <u>String</u> that represents the current <u>Object</u> .








Protected Instance Methods

<u>Create</u> (Inherited from PersistentTree)	
<u>Finalize</u> (Inherited from Object)	Allows an <u>Object</u> to attempt to free resources and perform other cleanup operations before the <u>Object</u> is reclaimed by garbage collection.
<u>GetService</u> (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	Overloaded.
<u>GetService</u> (Inherited from Microsoft.BusinessFramework.Agent.ServiceProvider)	Overloaded.
<u>InvokeDefaulting</u> (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
<u>InvokeValidating</u> (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
<u>MemberwiseClone</u> (Inherited from Object)	Creates a shallow copy of the current <u>Object</u> .
<u>OnCreated</u> (Inherited from PersistentTree)	
<u>OnDefaulting</u> (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
<u>OnDeleted</u> (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
<u>OnDeleting</u> (Inherited from PersistentTree)	
<u>OnFound</u> (Inherited from PersistentTree)	
<u>OnInserted</u> (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
<u>OnInserting</u> (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
<u>OnPropertyValueChanged</u> (Inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
<u>OnPropertyValueChanging</u> (Inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
<u>OnServiceDefaulting</u> (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
<u>OnServiceValidating</u> (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
<u>OnUpdated</u> (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	

 OnUpdating (inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 OnValidating

Protected Internal Instance Methods

 <u>AddChild</u> (inherited from PersistentTree)	Add a new child node to the given node of the tree.
 <u>AddParent</u> (inherited from PersistentTree)	
 <u>AttachResident</u>	Attaches a resident to given node.
 <u>DetachResident</u> (inherited from PersistentTree)	Detach resident from a given node of the tree.
 <u>Move</u> (inherited from PersistentTree)	Detaches subtree from one node and attaches it to another node.
 <u>SetGroupRoot</u>	Sets up given node as a group root.
 <u>SetValidationMode</u> (inherited from Microsoft.BusinessFramework.Agent.Agent)	

Explicit Interface Implementations

 <u>IActivityConsumer.GetActivityContext</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 <u>IActivityConsumer.SetActivityContext</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 <u>IAgent.Defaulting</u> (inherited from Microsoft.BusinessFramework.Agent.Agent)
 <u>IAgent.SetPropertyBindingManager</u> (inherited from Microsoft.BusinessFramework.Agent.Agent)
 <u>IAgent.Validating</u> (inherited from Microsoft.BusinessFramework.Agent.Agent)
 <u>ICloneable.Clone</u> (inherited from PersistentTree)
 <u>IEntity.Created</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 <u>IEntity.Deleted</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 <u>IEntity.Deleting</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 <u>IEntity.Found</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 <u>IEntity.Inserted</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 <u>IEntity.Inserting</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 <u>IEntity.ServiceDefaulting</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 <u>IEntity.SetKey</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 <u>IEntity.Updated</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)

 IEntity Updating (inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

See Also

[OrganizationTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [OrganizationTreeNode](#) | [BusinessUnit](#)

*Common Help***OrganizationTree.AttachResident Method**

Attaches a resident to given node.

```
protected internal override void AttachResident(  
    PersistentTreeNode node,  
    IIdentifiable resident  
);
```

Parameters

node

Node to attach resident to

resident

Resident to attach

See Also

[OrganizationTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***OrganizationTree.CreateRoot Method**

Creates a root node of the tree.

```
new public OrganizationTreeNode CreateRoot();
```

Return Value

Created root node.

See Also

[OrganizationTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***OrganizationTree.FindByID Method**

Finds the node with given ID.

```
new public OrganizationTreeNode FindByID(  
    Guid nodeID  
);
```

Parameters

nodeID

ID of the node to search for.

Return Value

Node that has specified ID; null if not found.

See Also

[OrganizationTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***OrganizationTree.GetChildren Method**

Get the children business units in the tree.

```
public BusinessUnit[] GetChildren(  
    BusinessUnit resident  
);
```

Parameters

resident

Resident of a node.

Return Value

Residents of the children nodes of the node that is specified through its resident.

Exceptions

Exception Type	Condition
ArgumentException	Thrown if the node with specified resident can not be found in the tree.

See Also

[OrganizationTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***OrganizationTree.GetGroupRoot Method**

Gets the company business unit in the tree.

```
public BusinessUnit GetGroupRoot(  
    BusinessUnit resident  
);
```

Parameters

resident
Resident of a node.

Return Value

Resident of the group root node of the node that is specified through its resident.

Exceptions

Exception Type	Condition
ArgumentException	Thrown if the node with specified resident can not be found in the tree.

See Also

[OrganizationTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***OrganizationTree.GetKey Method**

```
new public Key GetKey();
```

See Also

[OrganizationTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***OrganizationTree.GetNode Method**

Gets the node containing specified business unit as resident.

```
public OrganizationTreeNode GetNode(  
    BusinessUnit resident  
);
```

Parameters

resident
Resident of a node.

Return Value

Node that has the resident attached or null if there is no such node.

See Also

[OrganizationTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***OrganizationTree.GetParent Method**

Gets the parent business unit in the tree.


```
public BusinessUnit GetParent(
    BusinessUnit resident
);
```

Parameters

resident
Resident of a node.

Return Value

Resident of the parent node of the node that is specified through its resident.

Exceptions

Exception Type	Condition
ArgumentException	Thrown if the node with specified resident can not be found in the tree.

See Also

[OrganizationTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***OrganizationTree.GetRoot Method**

Gets the root of the tree.

```
new public OrganizationTreeNode GetRoot();
```

Return Value

Root node.

See Also

[OrganizationTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***OrganizationTree.OnValidating Method**

```
protected override void OnValidating(
    ValidationEventArgs args
);
```

See Also

[OrganizationTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***OrganizationTree.SetGroupRoot Method**

Sets up given node as a group root.

```
protected internal override void SetGroupRoot(
    PersistentTreeNode node,
    bool isGroupRoot
);
```

Parameters

node
Node to be set

isGroupRoot
True means that the node is a group root; false means that the node is not a group root.

See Also

[OrganizationTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***OrganizationTree.Key Class**

EntityKey class for OrganizationTree.

For a list of all members of this type, see [OrganizationTree.Key Members](#).

[System.Object](#)
[ClassKey](#)

EntityKey
Key
OrganizationTree.Key

```
new public class OrganizationTree.Key : Key
```

Requirements

Namespace: Microsoft.Business.Common.OrganizationStructure
Assembly: Microsoft.Business.Common (In Microsoft.Business.Common.dll)

See Also









[OrganizationTree.Key Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help











OrganizationTree.Key Members

[OrganizationTree.Key overview](#)


Public Instance Properties

 ClassType (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 ID (inherited from Microsoft.Business.Common.OrganizationStructure.PersistentTree+Key)
 IsEntityCached (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IsEntityReadOnly (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IsEntitySerializable (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 Options (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 Parent (inherited from Microsoft.BusinessFramework.ClassKey)
 Properties (inherited from Microsoft.BusinessFramework.ClassKey)

Public Instance Methods

 Clone (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	Overloaded.
 CopyFromEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 CopyToEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 Equals (inherited from Microsoft.BusinessFramework.ClassKey)	
 GetEntity	
 GetGuid (inherited from Microsoft.BusinessFramework.ClassKey)	
 GetHashCode (inherited from Microsoft.BusinessFramework.ClassKey)	
 GetType (inherited from Object)	Gets the <u>Type</u> of the current instance.
 ReleaseEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 ToString (inherited from Microsoft.BusinessFramework.ClassKey)	Overloaded.






Protected Instance Constructors

 OrganizationTree.Key	Overloaded. Initializes a new instance of the OrganizationTree.Key class.
--	---


Protected Instance Properties

 CanCacheValues (inherited from Microsoft.BusinessFramework.Entity.EntityKey)






Protected Instance Methods

 Finalize (inherited from Object)	Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection.
 MemberwiseClone (inherited from Object)	Creates a shallow copy of the current Object .
 SetParent (inherited from Microsoft.BusinessFramework.ClassKey)	
 SetType (inherited from Microsoft.BusinessFramework.ClassKey)	
 ShouldFixUpContainmentHierarchy (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	

Protected Internal Instance Constructors

 OrganizationTree.Key	Overloaded. Initializes a new instance of the OrganizationTree.Key class.
--	---

Explicit Interface Implementations

 IActivityConsumer.GetActivityContext (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IActivityConsumer.SetActivityContext (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IDeserializationCallback.OnDeserialization (inherited from Microsoft.BusinessFramework.ClassKey)
 IInternalKey.SetEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IInternalKey.SetParent (inherited from Microsoft.BusinessFramework.Entity.EntityKey)

See Also

[OrganizationTree.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***OrganizationTree.Key Constructor**

Initializes a new instance of the [Key](#) class.

Overload List

Initializes a new instance of the [Key](#) class.

[protected OrganizationTree.Key\(\);](#)

[protected internal OrganizationTree.Key\(Guid, IKey\);](#)

See Also

[OrganizationTree.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***OrganizationTree.Key Constructor ()**

Initializes a new instance of the [Key](#) class.

```
protected OrganizationTree.Key();
```

See Also

[OrganizationTree.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [OrganizationTree.Key Constructor Overload List](#)

*Common Help***OrganizationTree.Key Constructor (Guid, IKey)**

```
protected internal OrganizationTree.Key(
    Guid persistentTreeID,
    IKey parent
);
```











See Also

[OrganizationTree.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [OrganizationTree.Key Constructor Overload List](#)






*Common Help***OrganizationTree.Key Methods**

The methods of the **OrganizationTree.Key** class are listed below. For a complete list of **OrganizationTree.Key** class members, see the [OrganizationTree.Key Members](#) topic.






Public Instance Methods

 Clone (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	Overloaded.
 CopyFromEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 CopyToEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 Equals (inherited from Microsoft.BusinessFramework.ClassKey)	
 GetEntity	
 GetGuid (inherited from Microsoft.BusinessFramework.ClassKey)	
 GetHashCode (inherited from Microsoft.BusinessFramework.ClassKey)	
 GetType (inherited from Object)	
 ReleaseEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	Gets the Type of the current instance.
 ToString (inherited from Microsoft.BusinessFramework.ClassKey)	
	Overloaded.

Protected Instance Methods

 Finalize (inherited from Object)	Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection.
 MemberwiseClone (inherited from Object)	Creates a shallow copy of the current Object .
 SetParent (inherited from Microsoft.BusinessFramework.ClassKey)	
 SetType (inherited from Microsoft.BusinessFramework.ClassKey)	
 ShouldFixUpContainmentHierarchy (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	

Explicit Interface Implementations

 IActivityConsumer.GetActivityContext (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IActivityConsumer.SetActivityContext (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IDeserializationCallback.OnDeserialization (inherited from Microsoft.BusinessFramework.ClassKey)
 IInternalKey.SetEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IInternalKey.SetParent (inherited from Microsoft.BusinessFramework.Entity.EntityKey)

See Also

[OrganizationTree.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***OrganizationTree.Key.GetEntity Method**

```
new public OrganizationTree GetEntity();
```

See Also

[OrganizationTree.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***OrganizationTreeNode Class**

Represents a node of organization hierarchy.

For a list of all members of this type, see [OrganizationTreeNode Members](#).

[System.Object](#)

[ServiceProvider](#)

[Agent](#)

[BusinessEntity](#)

[PersistentTreeNode](#)

OrganizationTreeNode

```
public class OrganizationTreeNode : PersistentTreeNode
```

Remarks

Only business unit can be attached as a resident of the node.

Requirements

Namespace: [Microsoft.Business.Common.OrganizationStructure](#)

Assembly: Microsoft.Business.Common (in Microsoft.Business.Common.dll)

See Also

[OrganizationTreeNode Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [BusinessUnit](#) | [OrganizationTree](#)



*Common Help***OrganizationTreeNode Members**





















[OrganizationTreeNode overview](#)

Public Instance Constructors









 OrganizationTreeNode Constructor	Initializes a new instance of the OrganizationTreeNode class.
---	---

















Public Instance Properties

 GroupRootID (inherited from PersistentTreeNode)	Gets an ID of the group root node for this node.
 HasChanged (inherited from Microsoft.BusinessFramework.Agent.Agent)	











 HasChangedFlags (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 ID (inherited from PersistentTreeNode)	Gets a unique identifier of the node.
 IsGroupRoot (inherited from PersistentTreeNode)	Gets a value that indicates whether the node is a group root.
 IsNew (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IsOriginalGroupRoot (inherited from PersistentTreeNode)	Gets a value that indicates whether the node was a group root at the time when it was retrieved from data store.
 IsOriginalRoot (inherited from PersistentTreeNode)	Gets a value that indicates whether the node was a root of the tree at the time when it was retrieved from data store.
 IsReadOnly (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IsResidentAttached (inherited from PersistentTreeNode)	Gets a value that indicates whether the resident is attached to the node.
 IsRoot (inherited from PersistentTreeNode)	Gets a value that indicates whether the node is a root.
 OriginalGroupRootID (inherited from PersistentTreeNode)	Gets an ID of the group root node for this node at the time when it was retrieved from data store.
 OriginalParentID (inherited from PersistentTreeNode)	Gets ID of the parent node from the time the node was retrieved from data store.
 OriginalResidentID (inherited from PersistentTreeNode)	Gets ID of the resident from the time the node was retrieved from data store.
 ParentID (inherited from PersistentTreeNode)	Gets ID of the parent node.
 PersistentTree (inherited from PersistentTreeNode)	Gets the persistent tree this node belongs to.
 PersistentTreeID (inherited from PersistentTreeNode)	Gets the ID of persistent tree of this node.
 PropertyBindingManager (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 ResidentID (inherited from PersistentTreeNode)	Gets ID of the resident.
 ResidentType (inherited from PersistentTreeNode)	Gets the type of attached resident.
 ResidentTypeID (inherited from PersistentTreeNode)	Gets the type id of attached resident.
 ValidationInfo (inherited from Microsoft.BusinessFramework.Agent.Agent)	

Public Instance Methods

 AddChild	
 AddParent	
 AttachResident (inherited from PersistentTreeNode)	Attaches resident to the node.
 ClearValidateOptions (inherited from PersistentTreeNode)	Not for external use.
 CreateChild (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	Overloaded.
 DetachResident (inherited from PersistentTreeNode)	Detaches resident from the node.
 Equals (inherited from Object)	Determines whether the specified Object is equal to the current Object .
 GetChildren (inherited from PersistentTreeNode)	Gets children of the node.

 GetGroupRoot	
 GetHashCode (Inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 GetKey	
 GetParent	
 GetProperty (Inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 GetResident	
 GetType (Inherited from Object)	Gets the <u>Type</u> of the current instance.
 IsDescendantOf (Inherited from PersistentTreeNode)	Determines whether this node is descendant of another node.
 IsValid (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 IsValidateOptionSet (Inherited from PersistentTreeNode)	Not for external use.
 Move (Inherited from PersistentTreeNode)	Moves the subtree under different parent.
 OnDeserialization (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 SetGroupRoot (Inherited from PersistentTreeNode)	Sets this node as a group root.
 SetHasChanged (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 SetValidateOption (Inherited from PersistentTreeNode)	Not for external use.
 ToString (Inherited from Object)	Returns a <u>String</u> that represents the current <u>Object</u> .

Public Instance Events

 Created (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 Defaulting (Inherited from Microsoft.BusinessFramework.Agent.Agent)
 Deleted (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 Deleting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 Found (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 Inserted (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 Inserting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 ServiceDefaulting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 ServiceValidating (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 Updated (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)


 Updating (inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 Validating (inherited from **Microsoft.BusinessFramework.Agent.Agent**)



















Protected Instance Properties


 ServiceEventManager (inherited from **Microsoft.BusinessFramework.Agent.Agent**)

 ShouldInitializeEventBroker (inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 ShouldValidateProperties (inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

Protected Instance Methods

 <u>Finalize</u> (inherited from Object)	Allows an <u>Object</u> to attempt to free resources and perform other cleanup operations before the <u>Object</u> is reclaimed by garbage collection.
 <u>GetService</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	Overloaded.
 <u>GetService</u> (inherited from Microsoft.BusinessFramework.Agent.ServiceProvider)	Overloaded.
 <u>InvokeDefaulting</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 <u>InvokeValidating</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 <u>MemberwiseClone</u> (inherited from Object)	Creates a shallow copy of the current <u>Object</u> .
 <u>OnCreated</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 <u>OnDefaulting</u> (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 <u>OnDeleted</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 <u>OnDeleting</u> (inherited from PersistentTreeNode)	
 <u>OnFound</u> (inherited from PersistentTreeNode)	
 <u>OnInserted</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 <u>OnInserting</u> (inherited from PersistentTreeNode)	
 <u>OnPropertyValueChanged</u> (inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 <u>OnPropertyValueChanging</u> (inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 <u>OnServiceDefaulting</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 <u>OnServiceValidating</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 <u>OnUpdated</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	

 [OnUpdating](#) (Inherited from **PersistentTreeNode**)


 [OnValidating](#) (Inherited from **PersistentTreeNode**)

Protected Internal Instance Properties

 [ValidationMode](#) (Inherited from **Microsoft.BusinessFramework.Agent.Agent**)

Protected Internal Instance Methods

 [SetGroupRootID](#) (Inherited from **PersistentTreeNode**)

 [SetParentID](#) (Inherited from **PersistentTreeNode**)

 [SetValidationMode](#) (Inherited from **Microsoft.BusinessFramework.Agent.Agent**)

Explicit Interface Implementations

 [IActivityConsumer.GetActivityContext](#) (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 [IActivityConsumer.SetActivityContext](#) (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 [IAgent.Defaulting](#) (Inherited from **Microsoft.BusinessFramework.Agent.Agent**)

 [IAgent.SetPropertyBindingManager](#) (Inherited from **Microsoft.BusinessFramework.Agent.Agent**)

 [IAgent.Validating](#) (Inherited from **Microsoft.BusinessFramework.Agent.Agent**)

 [IEntity.Created](#) (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)


 [IEntity.Deleted](#) (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 [IEntity.Deleting](#) (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 [IEntity.Found](#) (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 [IEntity.Inserted](#) (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 [IEntity.Inserting](#) (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 [IEntity.ServiceDefaulting](#) (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 [IEntity.SetKey](#) (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 [IEntity.Updated](#) (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 [IEntity.Updating](#) (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

See Also

[OrganizationTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [BusinessUnit](#) | [OrganizationTree](#)

[Common Help](#)

OrganizationTreeNode Constructor

Initializes a new instance of the **OrganizationTreeNode** class.

```
public OrganizationTreeNode();
```

See Also
























[OrganizationTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

OrganizationTreeNode Methods





















The methods of the **OrganizationTreeNode** class are listed below. For a complete list of **OrganizationTreeNode** class members, see the [OrganizationTreeNode Members](#) topic.

Public Instance Methods




 AddChild	
 AddParent	
 AttachResident (inherited from PersistentTreeNode)	Attaches resident to the node.
 ClearValidateOptions (inherited from PersistentTreeNode)	Not for external use.
 CreateChild (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	Overloaded.
 DetachResident (inherited from PersistentTreeNode)	Detaches resident from the node.
 Equals (inherited from Object)	Determines whether the specified Object is equal to the current Object .
 GetChildren (inherited from PersistentTreeNode)	Gets children of the node.
 GetGroupRoot	
 GetHashCode (inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 GetKey	
 GetParent	
 GetProperty (inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 GetResident	
 GetType (inherited from Object)	Gets the Type of the current instance.
 IsDescendantOf (inherited from PersistentTreeNode)	Determines whether this node is descendant of another node.
 IsValid (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 IsValidateOptionSet (inherited from PersistentTreeNode)	Not for external use.
 Move (inherited from PersistentTreeNode)	Moves the subtree under different parent.
 OnDeserialization (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 SetGroupRoot (inherited from PersistentTreeNode)	Sets this node as a group root.
 SetHasChanged (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 SetValidateOption (inherited from PersistentTreeNode)	Not for external use.

 ToString (inherited from Object)	Returns a <u>String</u> that represents the current <u>Object</u> .
---	---

Protected Instance Methods

 Finalize (inherited from Object)	Allows an <u>Object</u> to attempt to free resources and perform other cleanup operations before the <u>Object</u> is reclaimed by garbage collection.
 GetService (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	Overloaded.
 GetService (inherited from Microsoft.BusinessFramework.Agent.ServiceProvider)	Overloaded.
 InvokeDefaulting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	Creates a shallow copy of the current <u>Object</u> .
 InvokeValidating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 MemberwiseClone (inherited from Object)	
 OnCreated (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnDefaulting (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 OnDeleted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnDeleting (inherited from PersistentTreeNode)	
 OnFound (inherited from PersistentTreeNode)	
 OnInserted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnInserting (inherited from PersistentTreeNode)	
 OnPropertyValueChanged (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 OnPropertyValueChanging (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 OnServiceDefaulting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnServiceValidating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	Overloaded.
 OnUpdated (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnUpdating (inherited from PersistentTreeNode)	
 OnValidating (inherited from PersistentTreeNode)	

Protected Internal Instance Methods

 SetGroupRootID (inherited from PersistentTreeNode)
 SetParentID (inherited from PersistentTreeNode)
 SetValidationMode (inherited from Microsoft.BusinessFramework.Agent.Agent)

Explicit Interface Implementations


 **IActivityConsumer.GetActivityContext** (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 **IActivityConsumer.SetActivityContext** (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 **IAgent.Defaulting** (Inherited from **Microsoft.BusinessFramework.Agent.Agent**)

 **IAgent.SetPropertyBindingManager** (Inherited from **Microsoft.BusinessFramework.Agent.Agent**)

 **IAgent.Validating** (Inherited from **Microsoft.BusinessFramework.Agent.Agent**)


 **IEntity.Created** (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)


 **IEntity.Deleted** (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 **IEntity.Deleting** (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 **IEntity.Found** (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 **IEntity.Inserted** (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 **IEntity.Inserting** (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 **IEntity.ServiceDefaulting** (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 **IEntity.SetKey** (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 **IEntity.Updated** (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 **IEntity.Updating** (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

See Also

[OrganizationTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [BusniessUnit](#) | [OrganizationTree](#)

Common Help

OrganizationTreeNode.AddChild Method

```
new public OrganizationTreeNode AddChild();
```

See Also

[OrganizationTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

OrganizationTreeNode.AddParent Method

```
new public OrganizationTreeNode AddParent();
```

See Also

[OrganizationTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

OrganizationTreeNode.GetGroupRoot Method

```
new public OrganizationTreeNode GetGroupRoot();
```

See Also

[OrganizationTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***OrganizationTreeNode.GetKey Method**

```
new public Key GetKey();
```

See Also

[OrganizationTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***OrganizationTreeNode.GetParent Method**

```
new public OrganizationTreeNode GetParent();
```

See Also

[OrganizationTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***OrganizationTreeNode.GetResident Method**

```
new public BusinessUnit GetResident();
```

See Also

[OrganizationTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***OrganizationTreeNode.Key Class**

EntityKey class for OrganizationTreeNode.

For a list of all members of this type, see [OrganizationTreeNode.Key Members](#).

[System.Object](#)

[ClassKey](#)

[EntityKey](#)

[Key](#)

OrganizationTreeNode.Key

```
new public class OrganizationTreeNode.Key : Key
```

Requirements

Namespace: [Microsoft.Business.Common.OrganizationStructure](#)

Assembly: Microsoft.Business.Common (in Microsoft.Business.Common.dll)

See Also

[OrganizationTreeNode.Key Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)




*Common Help***OrganizationTreeNode.Key Members**






[OrganizationTreeNode.Key overview](#)

Public Instance Constructors











 OrganizationTreeNode.Key	Overloaded. Initializes a new instance of the OrganizationTreeNode.Key class.
--	---

Public Instance Properties


 ClassType (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 ID (inherited from Microsoft.Business.Common.OrganizationStructure.PersistentTreeNode+Key)
 IsEntityCached (inherited from Microsoft.Business.Common.OrganizationStructure.PersistentTreeNode+Key)

Microsoft.BusinessFramework.Entity.EntityKey)	
 IsEntityReadOnly (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 IsEntitySerializable (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 Options (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 Parent (inherited from Microsoft.BusinessFramework.ClassKey)	
 Properties (inherited from Microsoft.BusinessFramework.ClassKey)	


Public Instance Methods

 Clone (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	Overloaded.
 CopyFromEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 CopyToEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 Equals (inherited from Microsoft.BusinessFramework.ClassKey)	
 GetEntity	
 GetGuid (inherited from Microsoft.BusinessFramework.ClassKey)	
 GetHashCode (inherited from Microsoft.BusinessFramework.ClassKey)	
 GetType (inherited from Object)	Gets the <u>Type</u> of the current instance.
 ReleaseEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 ToString (inherited from Microsoft.BusinessFramework.ClassKey)	Overloaded.






Protected Instance Constructors

 <u>OrganizationTreeNode.Key</u>	Overloaded. Initializes a new instance of the <u>OrganizationTreeNode.Key</u> class.
---	--






Protected Instance Properties

 CanCacheValues (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
---	--

Protected Instance Methods

 <u>Finalize</u> (inherited from Object)	Allows an <u>Object</u> to attempt to free resources and perform other cleanup operations before the <u>Object</u> is reclaimed by garbage collection.
 <u>MemberwiseClone</u> (inherited from Object)	Creates a shallow copy of the current <u>Object</u> .
 <u>SetParent</u> (inherited from Microsoft.BusinessFramework.ClassKey)	
 <u>SetType</u> (inherited from Microsoft.BusinessFramework.ClassKey)	
 <u>ShouldFixUpContainmentHierarchy</u> (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	

Explicit Interface Implementations

 IActivityConsumer.GetActivityContext (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IActivityConsumer.SetActivityContext (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IDeserializationCallback.OnDeserialization (Inherited from Microsoft.BusinessFramework.ClassKey)
 IInternalKey.SetEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IInternalKey.SetParent (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)

See Also

[OrganizationTreeNode.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***OrganizationTreeNode.Key Constructor**

Initializes a new instance of the Key class.

Overload List

Initializes a new instance of the Key class.

```
protected OrganizationTreeNode.Key();
public OrganizationTreeNode.Key(Guid, IKey);
```

See Also

[OrganizationTreeNode.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***OrganizationTreeNode.Key Constructor ()**

Initializes a new instance of the Key class.

```
protected OrganizationTreeNode.Key();
```

See Also

[OrganizationTreeNode.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [OrganizationTreeNode.Key Constructor Overload List](#)

*Common Help***OrganizationTreeNode.Key Constructor (Guid, IKey)**

```
public OrganizationTreeNode.Key(
    Guid id,
    IKey parent
);
```



See Also









[OrganizationTreeNode.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [OrganizationTreeNode.Key Constructor Overload List](#)

*Common Help***OrganizationTreeNode.Key Methods**






The methods of the **OrganizationTreeNode.Key** class are listed below. For a complete list of **OrganizationTreeNode.Key** class members, see the [OrganizationTreeNode.Key Members](#) topic.

Public Instance Methods






 Clone (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	Overloaded.
 CopyFromEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	

 CopyToEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 Equals (Inherited from Microsoft.BusinessFramework.ClassKey)	
 GetEntity	
 GetGuild (Inherited from Microsoft.BusinessFramework.ClassKey)	
 GetHashCode (Inherited from Microsoft.BusinessFramework.ClassKey)	
 GetType (Inherited from Object)	Gets the Type of the current instance.
 ReleaseEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 ToString (Inherited from Microsoft.BusinessFramework.ClassKey)	Overloaded.

Protected Instance Methods

 Finalize (Inherited from Object)	Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection.
 MemberwiseClone (Inherited from Object)	Creates a shallow copy of the current Object .
 SetParent (Inherited from Microsoft.BusinessFramework.ClassKey)	
 SetType (Inherited from Microsoft.BusinessFramework.ClassKey)	
 ShouldFixUpContainmentHierarchy (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	

Explicit Interface Implementations

 IActivityConsumer.GetActivityContext (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 IActivityConsumer.SetActivityContext (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 IDeserializationCallback.OnDeserialization (Inherited from Microsoft.BusinessFramework.ClassKey)	
 IInternalKey.SetEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 IInternalKey.SetParent (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	

See Also

[OrganizationTreeNode.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

OrganizationTreeNode.Key.GetEntity Method

```
new public OrganizationTreeNode GetEntity();
```

See Also

[OrganizationTreeNode.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

OrganizationTreeStatus Enumeration

Represents status of organization tree.

```
public enum OrganizationTreeStatus
```

Members

Member Name	Description
Active	
Inactive	

Requirements

Namespace: [Microsoft.Business.Common.OrganizationStructure](#)
Assembly: Microsoft.Business.Common (in Microsoft.Business.Common.dll)

See Also

[Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

OrganizationTreeVirtualCollection Class

Entity VirtualCollection for OrganizationTree.
For a list of all members of this type, see [OrganizationTreeVirtualCollection Members](#).

- [System.Object](#)
- [ServiceProvider](#)
- [EntityVirtualCollection](#)
- [PersistentTreeVirtualCollection](#)
- [OrganizationTreeVirtualCollection](#)**

```
public class OrganizationTreeVirtualCollection : PersistentTreeVirtualCollection
```

Requirements

Namespace: [Microsoft.Business.Common.OrganizationStructure](#)
Assembly: Microsoft.Business.Common (in Microsoft.Business.Common.dll)

See Also


[OrganizationTreeVirtualCollection Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help








OrganizationTreeVirtualCollection Members




[OrganizationTreeVirtualCollection overview](#)

Public Instance Constructors


















 OrganizationTreeVirtualCollection Constructor	Initializes a new instance of the OrganizationTreeVirtualCollection class.
---	--

Public Instance Properties





 CollectionOptions (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 CreateOptions (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 DataLocationPolicy (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 EntityClassName (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 EntityType (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 FilterOptions (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 FindOptions (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)






 ParentKey (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 SecurityOptions (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 TransactionOptions (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)

Public Instance Methods


 Abort (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 ClearCache (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 Create (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 Create	Overloaded.
 Delete (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 DeleteAll (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 DeleteByID (Inherited from PersistentTreeVirtualCollection)	
 Equals (Inherited from Object)	Determines whether the specified <u>Object</u> is equal to the current <u>Object</u> .
 Find (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 Find	Overloaded.
 FindAll (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 FindAllWithBlock (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 FindByID	
 GetHashCode (Inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 GetType (Inherited from Object)	Gets the <u>Type</u> of the current instance.
 Save (Inherited from PersistentTreeVirtualCollection)	
 ToString (Inherited from Object)	Returns a <u>String</u> that represents the current <u>Object</u> .

Protected Instance Methods

 CanCreate (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 CanDelete (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 CanSave (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 Finalize (Inherited from Object)	Allows an <u>Object</u> to attempt to free resources and perform other cleanup operations before the <u>Object</u> is reclaimed by garbage collection.

 GetService (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 GetService (Inherited from Microsoft.BusinessFramework.Agent.ServiceProvider)	Overloaded.
 MemberwiseClone (Inherited from Object)	Creates a shallow copy of the current Object .
 VerifyEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 VerifyKey (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	

Protected Internal Instance Methods

 OnGetEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
--

See Also

[OrganizationTreeVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***OrganizationTreeVirtualCollection Constructor**

Initializes a new instance of the **OrganizationTreeVirtualCollection** class.

```
public OrganizationTreeVirtualCollection();
```












See Also







[OrganizationTreeVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***OrganizationTreeVirtualCollection Methods**










The methods of the **OrganizationTreeVirtualCollection** class are listed below. For a complete list of **OrganizationTreeVirtualCollection** class members, see the [OrganizationTreeVirtualCollection Members](#) topic.

Public Instance Methods


 Abort (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 ClearCache (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 Create (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 Create	Overloaded.
 Delete (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 DeleteAll (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 DeleteByID (Inherited from PersistentTreeVirtualCollection)	
 Equals (Inherited from Object)	Determines whether the specified Object is equal to the current Object .
 Find (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 Find	Overloaded.
 FindAll (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.

 FindAllWithBlock (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 FindByID	
 GetHashCode (inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 GetType (inherited from Object)	Gets the <u>Type</u> of the current instance.
 Save (inherited from PersistentTreeVirtualCollection)	
 ToString (inherited from Object)	Returns a <u>String</u> that represents the current <u>Object</u> .

Protected Instance Methods

 CanCreate (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 CanDelete (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 CanSave (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 Finalize (inherited from Object)	Allows an <u>Object</u> to attempt to free resources and perform other cleanup operations before the <u>Object</u> is reclaimed by garbage collection.
 GetService (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 GetService (inherited from Microsoft.BusinessFramework.Agent.ServiceProvider)	Overloaded.
 MemberwiseClone (inherited from Object)	Creates a shallow copy of the current <u>Object</u> .
 VerifyEntity (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 VerifyKey (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	

Protected Internal Instance Methods

 OnGetEntity (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
--	--

See Also

[OrganizationTreeVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***OrganizationTreeVirtualCollection.Create Method****Overload List**

`new public OrganizationTree Create();`

Inherited from [EntityVirtualCollection](#).

`public virtual IEntity Create(EntityKey);`

See Also

[OrganizationTreeVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***OrganizationTreeVirtualCollection.Create Method ()**

```
new public OrganizationTree Create();
```

See Also

[OrganizationTreeVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [OrganizationTreeVirtualCollection.Create Overload List](#)

Common Help

OrganizationTreeVirtualCollection.Find Method

Overload List

[new public OrganizationTree Find\(EntityCriteria\):](#)

Inherited from [EntityVirtualCollection](#).

[public virtual IEntity Find\(WhereExpression\):](#)

See Also

[OrganizationTreeVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

OrganizationTreeVirtualCollection.Find Method (EntityCriteria)

```
new public OrganizationTree Find(
    EntityCriteria criteria
);
```

See Also

[OrganizationTreeVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [OrganizationTreeVirtualCollection.Find Overload List](#)

Common Help

OrganizationTreeVirtualCollection.FindByID Method

```
new public OrganizationTree FindByID(
    Guid persistentTreeID
);
```

See Also

[OrganizationTreeVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

PersistentTree Class

Represents a persistent hierarchy of IIdentifiable objects.

For a list of all members of this type, see [PersistentTree Members](#).

[System.Object](#)
[ServiceProvider](#)
[Agent](#)
[BusinessEntity](#)
[PersistentTree](#)

```
public abstract class PersistentTree : BusinessEntity, ICloneable
```

Requirements

Namespace: [Microsoft.Business.Common.OrganizationStructure](#)

Assembly: Microsoft.Business.Common (In Microsoft.Business.Common.dll)

See Also

[PersistentTree Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

PersistentTree Members
















[PersistentTree overview](#)

Public Instance Properties














 **HasChanged** (Inherited from [Microsoft.BusinessFramework.Agent.Agent](#))










 **HasChangedFlags** (Inherited from [Microsoft.BusinessFramework.Agent.Agent](#))

Gets a value that indicates whether the tree type has













 HasFilterAttachedOption	FilterAttached option set.
 HasFilterMaintainedOption	Gets a value that indicates whether the tree type has FilterMaintained option set.
 HasGroupingOption	Gets a value that indicates whether the tree type has grouping option set.
 HasResidentRequiredOption	Gets a value that indicates whether the tree type has data required option set.
 HasResidentUniqueForAllTreesOption	Gets a value that indicates whether the tree type requires unique residents for all trees.
 HasResidentUniqueOption	Gets a value that indicates whether the tree type requires unique residents for each tree.
 ID	Gets the unique identifier of the tree.
 IsEmpty	Gets a value that indicates whether the tree has any nodes.
 IsNew (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IsReadOnly (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IsUsingCache	Gets the value that indicates whether this tree uses cache.
 NodeType	Gets the type of the corresponding tree node.
 PropertyBindingManager (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 RootID	Gets the ID of the root node of the tree.
 ValidationInfo (inherited from Microsoft.BusinessFramework.Agent.Agent)	

Public Instance Methods


 CascadingDelete	Deletes the specified node and all nodes below in the hierarchy.
 CreateChild (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 CreateRoot	
 Delete	
 Equals (inherited from Object)	
 FindAll	
 FindByID	
 FindByResident	
 GetAllowedResidentTypes	
 GetHashCode (inherited from Object)	
 GetKey	
 GetProperty (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 GetResidentType	
	Gets resident type id corresponding to given resident type.

 <u>GetResidentTypeID</u>	
 <u>GetRoot</u>	Gets the root of the tree.
 <u>GetSupportedResidentTypes</u>	Gets resident types that are supported by the tree type.
 <u>GetType</u> (Inherited from Object)	Gets the <u>Type</u> of the current instance.
 <u>IsValid</u> (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 <u>OnDeserialization</u> (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 <u>SetAllowedResidentTypes</u>	Sets resident types allowed for the tree.
 <u>SetHasChanged</u> (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 <u>ToString</u> (Inherited from Object)	Returns a <u>String</u> that represents the current <u>Object</u> .


Public Instance Events



 Created (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 Defaulting (Inherited from Microsoft.BusinessFramework.Agent.Agent)
 Deleted (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 Deleting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 Found (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 Inserted (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 Inserting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 ServiceDefaulting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 ServiceValidating (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 Updated (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 Updating (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 Validating (Inherited from Microsoft.BusinessFramework.Agent.Agent)

Protected Instance Constructors






















 <u>PersistentTree Constructor</u>	Initializes a new instance of the PersistentTree class.
---	---

Protected Instance Properties


 <u>ServiceEventManager</u> (Inherited from Microsoft.BusinessFramework.Agent.Agent)

 ShouldInitializeEventBroker (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 ShouldValidateProperties (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	

Protected Instance Methods








 Create	
 Finalize (inherited from Object)	Allows an <u>Object</u> to attempt to free resources and perform other cleanup operations before the <u>Object</u> is reclaimed by garbage collection.
 GetService (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	Overloaded.
 GetService (inherited from Microsoft.BusinessFramework.Agent.ServiceProvider)	Overloaded.
 InvokeDefaulting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 InvokeValidating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 MemberwiseClone (inherited from Object)	Creates a shallow copy of the current <u>Object</u> .
 OnCreated	
 OnDefaulting (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 OnDeleted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnDeleting	
 OnFound	
 OnInserted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnInserting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnPropertyValueChanged (inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 OnPropertyValueChanging (inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 OnServiceDefaulting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnServiceValidating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnUpdated (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnUpdating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnValidating	

Protected Internal Instance Properties

 Cache	
---	--

 ValidationMode (Inherited from **Microsoft.BusinessFramework.Agent.Agent**)

Protected Internal Instance Methods

 <u>AddChild</u>	Add a new child node to the given node of the tree.
 <u>AddParent</u>	
 <u>AttachResident</u>	Attach a resident to a given node of the tree.
 <u>DetachResident</u>	Detach resident from a given node of the tree.
 <u>Move</u>	Detaches subtree from one node and attaches it to another node.
 <u>SetGroupRoot</u>	Sets group root on given node.
 SetValidationMode (Inherited from Microsoft.BusinessFramework.Agent.Agent)	

Explicit Interface Implementations

 IActivityConsumer.GetActivityContext (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IActivityConsumer.SetActivityContext (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IAgent.Defaulting (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 IAgent.SetPropertyBindingManager (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 IAgent.Validating (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 ICloneable.Clone	
 IEntity.Created (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Deleted (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Deleting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Found (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Inserted (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Inserting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.ServiceDefaulting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.SetKey (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Updated (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Updating (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	

See Also

[PersistentTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTree Constructor**

Initializes a new instance of the PersistentTree class.

```
protected PersistentTree();
```


















See Also

[PersistentTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)


*Common Help***PersistentTree Properties**


The properties of the **PersistentTree** class are listed below. For a complete list of **PersistentTree** class members, see the [PersistentTree Members](#) topic.

Public Instance Properties

 HasChanged (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 HasChangedFlags (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 HasFilterAttachedOption	Gets a value that indicates whether the tree type has FilterAttached option set.
 HasFilterMaintainedOption	Gets a value that indicates whether the tree type has FilterMaintained option set.
 HasGroupingOption	Gets a value that indicates whether the tree type has grouping option set.
 HasResidentRequiredOption	Gets a value that indicates whether the tree type has data required option set.
 HasResidentUniqueForAllTreesOption	Gets a value that indicates whether the tree type requires unique residents for all trees.
 HasResidentUniqueOption	Gets a value that indicates whether the tree type requires unique residents for each tree.
 ID	Gets the unique identifier of the tree.
 IsEmpty	Gets a value that indicates whether the tree has any nodes.
 IsNew (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IsReadOnly (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IsUsingCache	Gets the value that indicates whether this tree uses cache.
 NodeType	Gets the type of the corresponding tree node.
 PropertyBindingManager (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 RootID	Gets the ID of the root node of the tree.
 ValidationInfo (inherited from Microsoft.BusinessFramework.Agent.Agent)	

Protected Instance Properties

 ServiceEventManager (inherited from Microsoft.BusinessFramework.Agent.Agent)	
---	--

 ShouldInitializeEventBroker (inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**) ShouldValidateProperties (inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)**Protected Internal Instance Properties** Cache ValidationMode (inherited from **Microsoft.BusinessFramework.Agent.Agent**)**See Also**[PersistentTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)*Common Help***PersistentTree.Cache Property**

```
protected internal PersistentTreeCache Cache {get;}
```

See Also[PersistentTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)*Common Help***PersistentTree.HasFilterAttachedOption Property**

Gets a value that indicates whether the tree type has FilterAttached option set.

```
public bool HasFilterAttachedOption {get;}
```

See Also[PersistentTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)*Common Help***PersistentTree.HasFilterMaintainedOption Property**

Gets a value that indicates whether the tree type has FilterMaintained option set.

```
public bool HasFilterMaintainedOption {get;}
```

See Also[PersistentTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)*Common Help***PersistentTree.HasGroupingOption Property**

Gets a value that indicates whether the tree type has grouping option set.

```
public bool HasGroupingOption {get;}
```

See Also[PersistentTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)*Common Help***PersistentTree.HasResidentRequiredOption Property**

Gets a value that indicates whether the tree type has data required option set.

```
public bool HasResidentRequiredOption {get;}
```

See Also[PersistentTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)*Common Help***PersistentTree.HasResidentUniqueForAllTreesOption Property**

Gets a value that indicates whether the tree type requires unique residents for all trees.

```
public bool HasResidentUniqueForAllTreesOption {get;}
```

See Also

[PersistentTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTree.HasResidentUniqueOption Property**

Gets a value that indicates whether the tree type requires unique residents for each tree.

```
public bool HasResidentUniqueOption {get;}
```

See Also

[PersistentTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTree.ID Property**

Gets the unique identifier of the tree.

```
public System.Guid ID {get; set;}
```

See Also

[PersistentTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTree.IsEmpty Property**

Gets a value that indicates whether the tree has any nodes.

```
public bool IsEmpty {get;}
```

See Also

[PersistentTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTree.IsUsingCache Property**

Gets the value that indicates whether this tree uses cache.

```
public bool IsUsingCache {get;}
```

Remarks

The tree uses cache if it was created as read-write. Read only trees do not use cache.

See Also

[PersistentTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTree.NodeType Property**

Gets the type of the corresponding tree node.

```
public System.Type NodeType {get;}
```

See Also

[PersistentTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTree.RootID Property**

Gets the ID of the root node of the tree.

```
public System.Guid RootID {get;}
```

See Also























[PersistentTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help





PersistentTree Methods


















The methods of the **PersistentTree** class are listed below. For a complete list of **PersistentTree** class members, see the [PersistentTree Members](#) topic.

Public Instance Methods








 CascadingDelete	Deletes the specified node and all nodes below in the hierarchy.
 CreateChild (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	Overloaded.
 CreateRoot	Creates a root node of the tree.
 Delete	Deletes specified node from the tree.
 Equals (inherited from Object)	Determines whether the specified Object is equal to the current Object .
 FindAll	Finds all nodes for this tree.
 FindByID	Finds the node with given ID.
 FindByResident	Overloaded. Finds all nodes with given resident attached.
 GetAllowedResidentTypes	Gets resident types that are allowed for this tree.
 GetHashCode (inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 GetKey	
 GetProperty (inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 GetResidentType	Gets resident type corresponding to given type id.
 GetResidentTypeID	Gets resident type id corresponding to given resident type.
 GetRoot	Gets the root of the tree.
 GetSupportedResidentTypes	Gets resident types that are supported by the tree type.
 GetType (inherited from Object)	Gets the Type of the current instance.
 IsValid (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 OnDeserialization (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 SetAllowedResidentTypes	Sets resident types allowed for the tree.
 SetHasChanged (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 ToString (inherited from Object)	Returns a String that represents the current Object .

Protected Instance Methods


 Create	
 Finalize (inherited from Object)	Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection.
 GetService (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	Overloaded.
 GetService (inherited from Microsoft.BusinessFramework.Agent.ServiceProvider)	Overloaded.

 InvokeDefaulting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 InvokeValidating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 MemberwiseClone (inherited from Object)	Creates a shallow copy of the current Object .
 OnCreated	
 OnDefaulting (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 OnDeleted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnDeleting	
 OnFound	
 OnInserted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnInserting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnPropertyValueChanged (inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 OnPropertyValueChanging (inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 OnServiceDefaulting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnServiceValidating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnUpdated (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnUpdating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnValidating	

Protected Internal Instance Methods

 AddChild	Add a new child node to the given node of the tree.
 AddParent	
 AttachResident	Attach a resident to a given node of the tree.
 DetachResident	Detach resident from a given node of the tree.
 Move	Detaches subtree from one node and attaches it to another node.
 SetGroupRoot	Sets group root on given node.
 SetValidationMode (inherited from Microsoft.BusinessFramework.Agent.Agent)	

Explicit Interface Implementations


 IActivityConsumer.GetActivityContext (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
--	--

 **IActivityConsumer.SetActivityContext** (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 **IAgent.Defaulting** (Inherited from **Microsoft.BusinessFramework.Agent.Agent**)


 **IAgent.SetPropertyBindingManager** (Inherited from **Microsoft.BusinessFramework.Agent.Agent**)


 **IAgent.Validating** (Inherited from **Microsoft.BusinessFramework.Agent.Agent**)

 **ICloneable.Clone**

 **IEntity.Created** (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)


 **IEntity.Deleted** (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 **IEntity.Deleting** (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 **IEntity.Found** (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 **IEntity.Inserted** (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 **IEntity.Inserting** (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 **IEntity.ServiceDefaulting** (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 **IEntity.SetKey** (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 **IEntity.Updated** (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 **IEntity.Updating** (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

See Also

[PersistentTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

PersistentTree.AddChild Method

Add a new child node to the given node of the tree.

```
protected internal virtual PersistentTreeNode AddChild(
    PersistentTreeNode node
);
```

Parameters

node

Node of the tree to which child the child is added.

Return Value

New child node.

See Also

[PersistentTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

PersistentTree.AddParent Method

```
protected internal virtual PersistentTreeNode AddParent(  
    PersistentTreeNode node  
);
```

See Also

[PersistentTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTree.AttachResident Method**

Attach a resident to a given node of the tree.

```
protected internal virtual void AttachResident(  
    PersistentTreeNode node,  
    IIidentifiable resident  
);
```

Parameters

node

Node of the tree to which child the resident is being attached.

resident

The resident being attached.

See Also

[PersistentTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTree.CascadingDelete Method**

Deletes the specified node and all nodes below in the hierarchy.

```
public virtual void CascadingDelete(  
    PersistentTreeNode node  
);
```

Parameters

node

Root of the subtree

See Also

[PersistentTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTree.Create Method**

```
protected virtual PersistentTreeNode Create();
```

See Also

[PersistentTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTree.CreateRoot Method**

Creates a root node of the tree.

```
public PersistentTreeNode CreateRoot();
```

Return Value

Created root node.

See Also

[PersistentTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTree.Delete Method**

Deletes specified node from the tree.

```
public virtual void Delete(  
    PersistentTreeNode node  
);
```



```
};
```

Parameters

node
Node to be deleted.

Remarks

Only one node is deleted from the tree. All children of the deleted node are moved up one level in the hierarchy.

Exceptions

Exception Type	Condition
InvalidOperationException	Thrown if grouping option is specified and attempted to delete a root and resulting new root of the tree is not a group root. Thrown if attempted to delete a root that has more then one child node.

See Also

[PersistentTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTree.DetachResident Method**

Detach resident from a given node of the tree.

```
protected internal virtual void DetachResident(  
    PersistentTreeNode node  
);
```

Parameters

node
The node to detach resident from.

See Also

[PersistentTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTree.FindAll Method**

Finds all nodes for this tree.

```
public ArrayList FindAll();
```

Return Value

All nodes.

See Also

[PersistentTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTree.FindByID Method**

Finds the node with given ID.

```
public PersistentTreeNode FindByID(  
    Guid nodeID  
);
```

Parameters

nodeID
ID of the node to search for.

Return Value

Node that has specified ID; null if not found.

See Also

[PersistentTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTree.FindByResident Method**

Finds all nodes with given resident attached.

Overload List

Finds all nodes with given resident attached.

```
public ArrayList FindByResident(IIdentifiable);
```

Finds all nodes with given resident attached.

```
public ArrayList FindByResident(Type,Guid);
```

See Also

[PersistentTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTree.FindByResident Method (IIdentifiable)**

Finds all nodes with given resident attached.

```
public ArrayList FindByResident(  
    IIdentifiable resident  
) ;
```

Parameters

resident

Resident to search for

Return Value

All matching nodes.

See Also

[PersistentTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [PersistentTree.FindByResident Overload List](#)

*Common Help***PersistentTree.FindByResident Method (Type, Guid)**

Finds all nodes with given resident attached.

```
public ArrayList FindByResident(  
    Type residentType,  
    Guid residentID  
) ;
```

Parameters

residentType

Resident type to search for

residentID

ID of a resident to search for

Return Value

All matching nodes.

See Also

[PersistentTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [PersistentTree.FindByResident Overload List](#)

*Common Help***PersistentTree.GetAllowedResidentTypes Method**

Gets resident types that are allowed for this tree.

```
public Type[] GetAllowedResidentTypes();
```

Return Value

Resident types allowed for the tree.

See Also

[PersistentTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTree.GetKey Method**

```
new public Key GetKey();
```

See Also

[PersistentTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTree.GetResidentType Method**

Gets resident type corresponding to given type id.

```
public Type GetResidentType(  
    short residentTypeID  
);
```

Parameters

residentTypeID
Type id of resident

Return Value

Type corresponding to given type id.

See Also

[PersistentTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTree.GetResidentTypeID Method**

Gets resident type id corresponding to given resident type.

```
public short GetResidentTypeID(  
    Type residentType  
);
```

Parameters

residentType
Type of resident

Return Value

Type id corresponding to given type.

See Also

[PersistentTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTree.GetRoot Method**

Gets the root of the tree.

```
public PersistentTreeNode GetRoot();
```

Return Value

Root node.

See Also

[PersistentTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTree.GetSupportedResidentTypes Method**

Gets resident types that are supported by the tree type.

```
public Type[] GetSupportedResidentTypes();
```

See Also

[PersistentTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTree.Move Method**

Detaches subtree from one node and attaches it to another node.

```
protected internal virtual void Move()
```

```
PersistentTreeNode child,  
PersistentTreeNode parent  
};
```

Parameters

child
The node that specifies the subtree

parent
New parent of the child node

See Also

[PersistentTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTree.OnCreated Method**

```
protected override void OnCreated(  
    EntityEventArgs args  
);
```

See Also

[PersistentTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTree.OnDeleting Method**

```
protected override void OnDeleting(  
    EntityEventArgs args  
);
```

See Also

[PersistentTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTree.OnFound Method**

```
protected override void OnFound(  
    EntityEventArgs args  
);
```

See Also

[PersistentTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTree.OnValidating Method**

```
protected override void OnValidating(  
    ValidationEventArgs args  
);
```

See Also

[PersistentTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTree.SetAllowedResidentTypes Method**

Sets resident types allowed for the tree.

```
public void SetAllowedResidentTypes(  
    params Type[] types  
);
```

Parameters

types
Resident types allowed for the tree.

Remarks

This must be a subset of supported resident types.

See Also

[PersistentTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTree.SetGroupRoot Method**

Sets group root on given node.

```
protected internal virtual void SetGroupRoot(
    PersistentTreeNode node,
    bool isGroupRoot
);
```

Parameters

node

The node of the tree.

isGroupRoot

Specifies whether the node should be a group root.

See Also

[PersistentTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTree.ICloneable.Clone Method**

```
object ICloneable.Clone();
```

Implements

[ICloneable.Clone](#)

See Also

[PersistentTree Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTree.Key Class**

EntityKey class for PersistentTree.

For a list of all members of this type, see [PersistentTree.Key Members](#).

[System.Object](#)

[ClassKey](#)

[EntityKey](#)

PersistentTree.Key

```
public class PersistentTree.Key : EntityKey
```

Requirements

Namespace: [Microsoft.Business.Common.OrganizationStructure](#)

Assembly: Microsoft.Business.Common (in Microsoft.Business.Common.dll)

See Also

[PersistentTree.Key Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTree.Key Members**


[PersistentTree.Key overview](#)





Public Instance Properties

 **ClassType** (inherited from **Microsoft.BusinessFramework.Entity.EntityKey**)











 **ID**

 **IsEntityCached** (inherited from **Microsoft.BusinessFramework.Entity.EntityKey**)


 **IsEntityReadOnly** (inherited from

Microsoft.BusinessFramework.Entity.EntityKey)	
 IsEntitySerializable (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 Options (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 Parent (Inherited from Microsoft.BusinessFramework.ClassKey)	
 Properties (Inherited from Microsoft.BusinessFramework.ClassKey)	

Public Instance Methods

 Clone (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	Overloaded.
 CopyFromEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 CopyToEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 Equals (Inherited from Microsoft.BusinessFramework.ClassKey)	
 GetEntity	
 GetGuid (Inherited from Microsoft.BusinessFramework.ClassKey)	
 GetHashCode (Inherited from Microsoft.BusinessFramework.ClassKey)	
 GetType (Inherited from Object)	Gets the <u>Type</u> of the current instance.
 ReleaseEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 ToString (Inherited from Microsoft.BusinessFramework.ClassKey)	Overloaded.






Protected Instance Constructors

 PersistentTree.Key	Overloaded. Initializes a new instance of the PersistentTree.Key class.
---	--


Protected Instance Properties

 CanCacheValues (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
---	--






Protected Instance Methods

 Finalize (Inherited from Object)	Allows an <u>Object</u> to attempt to free resources and perform other cleanup operations before the <u>Object</u> is reclaimed by garbage collection.
 MemberwiseClone (Inherited from Object)	Creates a shallow copy of the current <u>Object</u> .
 SetParent (Inherited from Microsoft.BusinessFramework.ClassKey)	
 SetType (Inherited from Microsoft.BusinessFramework.ClassKey)	
 ShouldFixUpContainmentHierarchy (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	

Protected Internal Instance Constructors

 PersistentTree.Key	Overloaded. Initializes a new instance of the PersistentTree.Key class.
---	---

Explicit Interface Implementations

 IActivityConsumer.GetActivityContext (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IActivityConsumer.SetActivityContext (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IDeserializationCallback.OnDeserialization (inherited from Microsoft.BusinessFramework.ClassKey)
 IInternalKey.SetEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IInternalKey.SetParent (inherited from Microsoft.BusinessFramework.Entity.EntityKey)

See Also

[PersistentTree.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTree.Key Constructor**

Initializes a new instance of the Key class.

Overload List

Initializes a new instance of the Key class.

[protected PersistentTree.Key\(\);](#)

[protected internal PersistentTree.Key\(Guid,IKey\);](#)

See Also

[PersistentTree.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTree.Key Constructor ()**

Initializes a new instance of the Key class.

```
protected PersistentTree.Key();
```

See Also

[PersistentTree.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [PersistentTree.Key Constructor Overload List](#)

*Common Help***PersistentTree.Key Constructor (Guid, IKey)**

```
protected internal PersistentTree.Key(
    Guid id,
    IKey parent
);
```


See Also








[PersistentTree.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [PersistentTree.Key Constructor Overload List](#)

*Common Help***PersistentTree.Key Properties**

The properties of the **PersistentTree.Key** class are listed below. For a complete list of **PersistentTree.Key** class members, see the [PersistentTree.Key Members](#) topic.

Public Instance Properties

 **ClassType** (inherited from

Microsoft.BusinessFramework.Entity.EntityKey)	
 ID	
 IsEntityCached (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 IsEntityReadOnly (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 IsEntitySerializable (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 Options (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 Parent (Inherited from Microsoft.BusinessFramework.ClassKey)	
 Properties (Inherited from Microsoft.BusinessFramework.ClassKey)	

Protected Instance Properties

 CanCacheValues (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)

See Also

[PersistentTree.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTree.Key.ID Property**

```
public System.Guid ID {get; set;}
```










See Also


[PersistentTree.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTree.Key Methods**






The methods of the **PersistentTree.Key** class are listed below. For a complete list of **PersistentTree.Key** class members, see the [PersistentTree.Key Members](#) topic.

Public Instance Methods






 Clone (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	Overloaded.
 CopyFromEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 CopyToEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 Equals (Inherited from Microsoft.BusinessFramework.ClassKey)	
 GetEntity	
 GetGuld (Inherited from Microsoft.BusinessFramework.ClassKey)	
 GetHashCode (Inherited from Microsoft.BusinessFramework.ClassKey)	
 GetType (Inherited from Object)	Gets the Type of the current instance.
 ReleaseEntity (Inherited from	

Microsoft.BusinessFramework.Entity.EntityKey)	
 ToString (inherited from Microsoft.BusinessFramework.ClassKey)	Overloaded.

Protected Instance Methods

 Finalize (inherited from Object)	Allows an <u>Object</u> to attempt to free resources and perform other cleanup operations before the <u>Object</u> is reclaimed by garbage collection.
 MemberwiseClone (inherited from Object)	Creates a shallow copy of the current <u>Object</u> .
 SetParent (inherited from Microsoft.BusinessFramework.ClassKey)	
 SetType (inherited from Microsoft.BusinessFramework.ClassKey)	
 ShouldFixUpContainmentHierarchy (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	

Explicit Interface Implementations

 IActivityConsumer.GetActivityContext (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IActivityConsumer.SetActivityContext (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IDeserializationCallback.OnDeserialization (inherited from Microsoft.BusinessFramework.ClassKey)
 IInternalKey.SetEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IInternalKey.SetParent (inherited from Microsoft.BusinessFramework.Entity.EntityKey)

See Also

[PersistentTree.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTree.Key.GetEntity Method**

```
new public PersistentTree GetEntity();
```

See Also

[PersistentTree.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeAttribute Class**

Specifies behavior of a type descending from [PersistentTree](#).

For a list of all members of this type, see [PersistentTreeAttribute Members](#).

[System.Object](#)

[Attribute](#)

[BusinessFrameworkAttribute](#)

PersistentTreeAttribute

```
public sealed class PersistentTreeAttribute : BusinessFrameworkAttribute
```

Requirements

Namespace: [Microsoft.Business.Common.OrganizationStructure](#)


Assembly: Microsoft.Business.Common (in Microsoft.Business.Common.dll)

See Also




[PersistentTreeAttribute Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help









PersistentTreeAttribute Members[PersistentTreeAttribute overview](#)**Public Instance Constructors**

 PersistentTreeAttribute Constructor	Sets resident types supported by the tree type.
---	---



Public Instance Properties

 NodeType	Gets or sets the corresponding node type.
 Options	Gets or sets options of the tree type.
 TypeId (inherited from Attribute)	When implemented in a derived class, gets a unique identifier for this Attribute .

Public Instance Methods

 Equals (inherited from Attribute)	
 GetHashCode (inherited from Attribute)	Returns the hash code for this instance.
 GetSupportedResidentTypes	Gets resident types supported by the tree type.
 GetType (inherited from Object)	Gets the Type of the current instance.
 IsDefaultAttribute (inherited from Attribute)	When overridden in a derived class, returns an indication whether the value of this instance is the default value for the derived class.
 IsSet	Gets the value that indicates whether given option is set.
 Match (inherited from Attribute)	When overridden in a derived class, returns a value indicating whether this instance equals a specified object.
 ToString (inherited from Object)	Returns a String that represents the current Object .

Protected Instance Methods

 Finalize (inherited from Object)	Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection.
 MemberwiseClone (inherited from Object)	Creates a shallow copy of the current Object .

See Also[PersistentTreeAttribute Class | Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

PersistentTreeAttribute Constructor

Sets resident types supported by the tree type.

```
public PersistentTreeAttribute(
    params Type\[\] supportedResidentTypes
);
```

Parameters*supportedResidentTypes*

Resident types supported by the tree type.




See Also[PersistentTreeAttribute Class | Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

PersistentTreeAttribute Properties

The properties of the **PersistentTreeAttribute** class are listed below. For a complete list of **PersistentTreeAttribute** class members, see the [PersistentTreeAttribute Members](#) topic.

Public Instance Properties

 NodeType	Gets or sets the corresponding node type.
 Options	Gets or sets options of the tree type.
 TypeId (Inherited from Attribute)	When implemented in a derived class, gets a unique identifier for this Attribute .

See Also

[PersistentTreeAttribute Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeAttribute.NodeType Property**

Gets or sets the corresponding node type.

```
public System.Type NodeType {get; set;}
```

See Also

[PersistentTreeAttribute Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeAttribute.Options Property**

Gets or sets options of the tree type.

```
public PersistentTreeOptions Options {get; set;}
```









See Also

[PersistentTreeAttribute Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)



*Common Help***PersistentTreeAttribute Methods**

The methods of the **PersistentTreeAttribute** class are listed below. For a complete list of **PersistentTreeAttribute** class members, see the [PersistentTreeAttribute Members](#) topic.

Public Instance Methods

 Equals (Inherited from Attribute)	
 GetHashCode (Inherited from Attribute)	Returns the hash code for this instance.
 GetSupportedResidentTypes	Gets resident types supported by the tree type.
 GetType (Inherited from Object)	Gets the Type of the current instance.
 IsDefaultAttribute (Inherited from Attribute)	When overridden in a derived class, returns an indication whether the value of this instance is the default value for the derived class.
 IsSet	Gets the value that indicates whether given option is set.
 Match (Inherited from Attribute)	When overridden in a derived class, returns a value indicating whether this instance equals a specified object.
 ToString (Inherited from Object)	Returns a String that represents the current Object .

Protected Instance Methods

 Finalize (Inherited from Object)	Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection.
 MemberwiseClone (Inherited from Object)	Creates a shallow copy of the current Object .

See Also

[PersistentTreeAttribute Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

PersistentTreeAttribute.GetSupportedResidentTypes Method

Gets resident types supported by the tree type.

```
public Type[] GetSupportedResidentTypes();
```

See Also

[PersistentTreeAttribute Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeAttribute.IsSet Method**

Gets the value that indicates whether given option is set.

```
public bool IsSet(
    PersistentTreeOptions value
);
```

Parameters

value
Option to check

Return Value

True if the option is set; otherwise false.

See Also

[PersistentTreeAttribute Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeCache Class**

Summary description for PersistentTreeCache.

For a list of all members of this type, see [PersistentTreeCache Members](#).

[System.Object](#)

PersistentTreeCache

```
public class PersistentTreeCache
```

Requirements

Namespace: [Microsoft.Business.Common.OrganizationStructure](#)

Assembly: Microsoft.Business.Common (In Microsoft.Business.Common.dll)








See Also

[PersistentTreeCache Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeCache Members**






























[PersistentTreeCache overview](#)

Public Instance Properties



 ContainsChanges	Gets a value that indicates whether the cache contains any changes to the tree.
 CreatedNodes	Not for external use.
 DeletedNodes	Not for external use.
 IsEmpty	Gets a value that indicates whether the tree is empty.
 ModifiedNodes	Not for external use.
 ReadOnly	Gets a value that indicates whether the nodes collection that the cache encapsulates is read only.
 RootID	Gets the ID of the root node.

Public Instance Methods

	Creates a node that is a child of specified node.
--	---

 AddChild	
 AddParent	Creates a new node that is a parent of a specified node.
 AttachResident	Attaches a resident to a node.
 CascadingDelete	Deletes the specified node and all nodes below in the hierarchy.
 Clear	Clears the cache.
 Create	Creates new node that belongs to this tree.
 CreateRoot	Creates a new root.
 Delete	Deletes specified node from the tree.
 DetachResident	Detaches resident from a node.
 Equals (inherited from Object)	Determines whether the specified Object is equal to the current Object .
 FindAll	Finds all nodes for this tree.
 FindByID	Finds a node with a specified ID.
 FindByParentID	Finds all the nodes with the specified parent id.
 FindByResident	Finds all the nodes with specified resident attached.
 GetAllowedResidentTypes	Gets allowed resident types.
 GetChildren	Gets all children nodes for the specified node.
 GetGroupRoot	Gets a group root node for given node.
 GetHashCode (inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 GetParent	Gets the parent node of specified node.
 GetRoot	Gets the root node.
 GetType (inherited from Object)	Gets the Type of the current instance.
 IsDescendant	Determines whether one node is descendant of another node.
 IsResidentTypeAllowed	Checks whether given resident type is allowed for this tree.
 Move	Detaches subtree from one node and attaches it to another node.
 Save	Saves the cache to data store.
 SetAllowedResidentTypes	Sets allowed resident types.
 SetGroupRoot	Specifies whether given node is a group root.
 SetResidentID	Not for external use.
 ToString (inherited from Object)	Returns a String that represents the current Object .

Protected Instance Methods

 Finalize (inherited from Object)	Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection.
 MemberwiseClone (inherited from Object)	Creates a shallow copy of the current Object .








See Also

[PersistentTreeCache Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeCache Properties**

The properties of the **PersistentTreeCache** class are listed below. For a complete list of **PersistentTreeCache** class members, see the [PersistentTreeCache Members](#) topic.

Public Instance Properties

 ContainsChanges	Gets a value that indicates whether the cache contains any changes to the tree.
 CreatedNodes	Not for external use.
 DeletedNodes	Not for external use.
 IsEmpty	Gets a value that indicates whether the tree is empty.
 ModifiedNodes	Not for external use.
 ReadOnly	Gets a value that indicates whether the nodes collection that the cache encapsulates is read only.
 RootID	Gets the ID of the root node.

See Also

[PersistentTreeCache Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeCache.ContainsChanges Property**

Gets a value that indicates whether the cache contains any changes to the tree.

```
public bool ContainsChanges {get;}
```

See Also

[PersistentTreeCache Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeCache.CreatedNodes Property**

Not for external use.

```
public System.Collections.Hashtable CreatedNodes {get;}
```

See Also

[PersistentTreeCache Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeCache.DeletedNodes Property**

Not for external use.

```
public System.Collections.Hashtable DeletedNodes {get;}
```

See Also

[PersistentTreeCache Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeCache.IsEmpty Property**

Gets a value that indicates whether the tree is empty.

```
public bool IsEmpty {get;}
```

See Also

[PersistentTreeCache Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

PersistentTreeCache.ModifiedNodes Property

Not for external use.

```
public System.Collections.Hashtable ModifiedNodes {get;}
```

See Also

[PersistentTreeCache Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

PersistentTreeCache.ReadOnly Property

Gets a value that indicates whether the nodes collection that the cache encapsulates is read only.

```
public bool ReadOnly {get; set;}
```

See Also

[PersistentTreeCache Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

PersistentTreeCache.RootID Property

Gets the ID of the root node.

```
public System.Guid RootID {get;}
```

See Also
















[PersistentTreeCache Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)















Common Help

PersistentTreeCache Methods



The methods of the **PersistentTreeCache** class are listed below. For a complete list of **PersistentTreeCache** class members, see the [PersistentTreeCache Members](#) topic.

Public Instance Methods

 AddChild	Creates a node that is a child of specified node.
 AddParent	Creates a new node that is a parent of a specified node.
 AttachResident	Attaches a resident to a node.
 CascadingDelete	Deletes the specified node and all nodes below in the hierarchy.
 Clear	Clears the cache.
 Create	Creates new node that belongs to this tree.
 CreateRoot	Creates a new root.
 Delete	Deletes specified node from the tree.
 DetachResident	Detaches resident from a node.
 Equals (inherited from Object)	Determines whether the specified Object is equal to the current Object .
 FindAll	Finds all nodes for this tree.
 FindByID	Finds a node with a specified ID.
 FindByParentID	Finds all the nodes with the specified parent id.
 FindByResident	Finds all the nodes with specified resident attached.
 GetAllowedResidentTypes	Gets allowed resident types.
	Gets all children nodes for the specified node.

 GetChildren	
 GetGroupRoot	Gets a group root node for given node.
 GetHashCode (inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 GetParent	Gets the parent node of specified node.
 GetRoot	Gets the root node.
 GetType (inherited from Object)	Gets the Type of the current instance.
 IsDescendant	Determines whether one node is descendant of another node.
 IsResidentTypeAllowed	Checks whether given resident type is allowed for this tree.
 Move	Detaches subtree from one node and attaches it to another node.
 Save	Saves the cache to data store.
 SetAllowedResidentTypes	Sets allowed resident types.
 SetGroupRoot	Specifies whether given node is a group root.
 SetResidentID	Not for external use.
 ToString (inherited from Object)	Returns a String that represents the current Object .

Protected Instance Methods

 Finalize (inherited from Object)	Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection.
 MemberwiseClone (inherited from Object)	Creates a shallow copy of the current Object .

See Also

[PersistentTreeCache Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeCache.AddChild Method**

Creates a node that is a child of specified node.

```
public PersistentTreeNode AddChild(
    PersistentTreeNode node
);
```

Parameters

node
The node to create child for

Return Value

Newly created child node.

See Also

[PersistentTreeCache Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeCache.AddParent Method**

Creates a new node that is a parent of a specified node.

```
public PersistentTreeNode AddParent(
    PersistentTreeNode node
);
```

Parameters

node

Node to create parent for

Return Value

Newly created node.

Remarks

Newly created parent is placed between the specified node and its old parent in the tree.

See Also

[PersistentTreeCache Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeCache.AttachResident Method**

Attaches a resident to a node.

```
public void AttachResident(  
    PersistentTreeNode node,  
    IIdentifiable resident  
) {  
}
```

Parameters

node

Node to attach resident to

resident

Resident to attach

See Also

[PersistentTreeCache Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeCache.CascadingDelete Method**

Deletes the specified node and all nodes below in the hierarchy.

```
public void CascadingDelete(  
    PersistentTreeNode node  
) {  
}
```

Parameters

node

Root of the subtree

See Also

[PersistentTreeCache Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeCache.Clear Method**

Clears the cache.

```
public void Clear();
```

See Also

[PersistentTreeCache Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeCache.Create Method**

Creates new node that belongs to this tree.

```
public PersistentTreeNode Create();
```

Return Value

Created node.

Remarks

Node must be used within this tree. The node is not yet attached to any place in the tree.

See Also

[PersistentTreeCache Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeCache.CreateRoot Method**

Creates a new root.

```
public PersistentTreeNode CreateRoot();
```

Return Value

Newly created root.

See Also

[PersistentTreeCache Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeCache.Delete Method**

Deletes specified node from the tree.

```
public void Delete(  
    PersistentTreeNode node  
);
```

Parameters

node
Node to be deleted.

Remarks

Only one node is deleted from the tree. All children of the deleted node are moved up one level in the hierarchy.

Exceptions

Exception Type	Condition
InvalidOperationException	Thrown if grouping option is specified and attempted to delete a root and resulting new root of the tree is not a group root. Thrown if attempted to delete a root that has more then one child node.

See Also

[PersistentTreeCache Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeCache.DetachResident Method**

Detaches resident from a node.

```
public void DetachResident(  
    PersistentTreeNode node  
);
```

Parameters

node
Node to detach resident from

See Also

[PersistentTreeCache Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeCache.FindAll Method**

Finds all nodes for this tree.

```
public ArrayList FindAll();
```

Return Value

List of all nodes.

See Also

[PersistentTreeCache Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

PersistentTreeCache.FindByID Method

Finds a node with a specified ID.

```
public PersistentTreeNode FindByID(  
    Guid nodeID  
);
```

Parameters

nodeID
ID of the node

Return Value

Node found; null if not found.

See Also

[PersistentTreeCache Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

PersistentTreeCache.FindByParentID Method

Finds all the nodes with the specified parent id.

```
public ArrayList FindByParentID(  
    Guid parentID  
);
```

Parameters

parentID
ID of the parent node to search

Return Value

Matching nodes.

See Also

[PersistentTreeCache Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

PersistentTreeCache.FindByResident Method

Finds all the nodes with specified resident attached.

```
public ArrayList FindByResident(  
    Type residentType,  
    Guid residentID  
);
```

Parameters

residentType
Type of the resident
residentID
ID of the resident

Return Value

All matching nodes.

See Also

[PersistentTreeCache Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

PersistentTreeCache.GetAllowedResidentTypes Method

Gets allowed resident types.

```
public Type[] GetAllowedResidentTypes();
```

Return Value

Allowed resident types.

See Also

[PersistentTreeCache Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeCache.GetChildren Method**

Gets all children nodes for the specified node.

```
public ArrayList GetChildren(  
    PersistentTreeNode node  
)
```

Parameters

node

The node to get children for

Return Value

List of children nodes.

See Also

[PersistentTreeCache Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeCache.GetGroupRoot Method**

Gets a group root node for given node.

```
public PersistentTreeNode GetGroupRoot(  
    PersistentTreeNode node  
)
```

Parameters

node

Node to get group root for

Return Value**See Also**

[PersistentTreeCache Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeCache.GetParent Method**

Gets the parent node of specified node.

```
public PersistentTreeNode GetParent(  
    PersistentTreeNode node  
)
```

Parameters

node

Node to get parent for

Return Value

Parent of the node.

Remarks

If the node is a root node it returns itself.

See Also

[PersistentTreeCache Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeCache.GetRoot Method**

Gets the root node.

```
public PersistentTreeNode GetRoot()
```

Return Value

The root node.

See Also

[PersistentTreeCache Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeCache.IsDescendant Method**

Determines whether one node is descendant of another node.

```
public bool IsDescendant(  
    PersistentTreeNode descendant,  
    PersistentTreeNode ancestor  
) ;
```

Parameters

descendant

Assumed descendant

ancestor

Assumed ancestor

Return Value

True if assumed descendant is truly a descendant of the ancestor passed in; false otherwise.

See Also

[PersistentTreeCache Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeCache.IsResidentTypeAllowed Method**

Checks whether given resident type is allowed for this tree.

```
public bool IsResidentTypeAllowed(  
    Type type  
) ;
```

Parameters

type

Type to check

Return Value**See Also**

[PersistentTreeCache Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeCache.Move Method**

Detaches subtree from one node and attaches it to another node.

```
public void Move(  
    PersistentTreeNode child,  
    PersistentTreeNode parent  
) ;
```

Parameters

child

The node that specifies the subtree

parent

New parent of the child node

Exceptions

Exception Type	Condition
InvalidOperationException	Thrown if the operation attempts to create a cycle in a hierarchy.

See Also

[PersistentTreeCache Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeCache.Save Method**

Saves the cache to data store.

```
public void Save();
```

See Also

[PersistentTreeCache Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeCache.SetAllowedResidentTypes Method**

Sets allowed resident types.

```
public void SetAllowedResidentTypes(
    Type[] types
);
```

Parameters

types

Allowed resident types.

See Also

[PersistentTreeCache Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeCache.SetGroupRoot Method**

Specifies whether given node is a group root.

```
public void SetGroupRoot(
    PersistentTreeNode node,
    bool isGroupRoot
);
```

Parameters

node

Node being edited

isGroupRoot

True means that the node is a group root; false otherwise

See Also

[PersistentTreeCache Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeCache.SetResidentID Method**

Not for external use.

```
public void SetResidentID(
    PersistentTreeNode node,
    Guid residentID
);
```

See Also

[PersistentTreeCache Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode Class**

Summary description for PersistentTreeNode.

For a list of all members of this type, see [PersistentTreeNode Members](#).

[System.Object](#)

[ServiceProvider](#)























[Agent](#)

[BusinessEntity](#)

PersistentTreeNode

























```
public abstract class PersistentTreeNode : BusinessEntity
```

Requirements**Namespace:** [Microsoft.Business.Common.OrganizationStructure](#)**Assembly:** Microsoft.Business.Common (In Microsoft.Business.Common.dll)**See Also**[PersistentTreeNode Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)*Common Help***PersistentTreeNode Members**[PersistentTreeNode overview](#)**Public Instance Properties**





 GroupRootID	Gets an ID of the group root node for this node.
 HasChanged (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 HasChangedFlags (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 ID	Gets a unique identifier of the node.
 IsGroupRoot	Gets a value that indicates whether the node is a group root.
 IsNew (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IsOriginalGroupRoot	Gets a value that indicates whether the node was a group root at the time when it was retrieved from data store.
 IsOriginalRoot	Gets a value that indicates whether the node was a root of the tree at the time when it was retrieved from data store.
 IsReadOnly (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IsResidentAttached	Gets a value that indicates whether the resident is attached to the node.
 IsRoot	Gets a value that indicates whether the node is a root.
 OriginalGroupRootID	Gets an ID of the group root node for this node at the time when it was retrieved from data store.
 OriginalParentID	Gets ID of the parent node from the time the node was retrieved from data store.
 OriginalResidentID	Gets ID of the resident from the time the node was retrieved from data store.
 ParentID	Gets ID of the parent node.
 PersistentTree	Gets the persistent tree this node belongs to.
 PersistentTreeID	Gets the ID of persistent tree of this node.
 PropertyBindingManager (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 ResidentID	Gets ID of the resident.
 ResidentType	Gets the type of attached resident.
 ResidentTypeID	Gets the type id of attached resident.
 ValidationInfo (Inherited from Microsoft.BusinessFramework.Agent.Agent)	

Public Instance Methods

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 <u>AddChild</u>	Creates a new node as a child of given node.
 <u>AddParent</u>	Creates a new node as a parent of given node.
 <u>AttachResident</u>	Attaches resident to the node.
 <u>ClearValidateOptions</u>	Not for external use.
 <u>CreateChild</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	Overloaded.
 <u>DetachResident</u>	Detaches resident from the node.
 <u>Equals</u> (inherited from Object)	Determines whether the specified <u>Object</u> is equal to the current <u>Object</u> .
 <u>GetChildren</u>	Gets children of the node.
 <u>GetGroupRoot</u>	Gets group root of the node.
 <u>GetHashCode</u> (inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 <u>GetKey</u>	
 <u>GetParent</u>	Gets parent of the node.
 <u>GetProperty</u> (inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 <u>GetResident</u>	Get resident of the node.
 <u>GetType</u> (inherited from Object)	Gets the <u>Type</u> of the current instance.
 <u>IsDescendantOf</u>	Determines whether this node is descendant of another node.
 <u>IsValid</u> (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 <u>IsValidateOptionSet</u>	Not for external use.
 <u>Move</u>	Moves the subtree under different parent.
 <u>OnDeserialization</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 <u>SetGroupRoot</u>	Sets this node as a group root.
 <u>SetHasChanged</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 <u>SetValidateOption</u>	Not for external use.
 <u>ToString</u> (inherited from Object)	Returns a <u>String</u> that represents the current <u>Object</u> .

Public Instance Events

 Created (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 Defaulting (inherited from Microsoft.BusinessFramework.Agent.Agent)
 Deleted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 Deleting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)

 Found (inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 Inserted (inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 Inserting (inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 ServiceDefaulting (inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 ServiceValidating (inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 Updated (inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 Updating (inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 Validating (inherited from **Microsoft.BusinessFramework.Agent.Agent**)

Protected Instance Constructors

 <u>PersistentTreeNode Constructor</u>	Initializes a new instance of the PersistentTreeNode class.
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





Protected Instance Properties










 ServiceEventManager (inherited from **Microsoft.BusinessFramework.Agent.Agent**)

 ShouldInitializeEventBroker (inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)


 ShouldValidateProperties (inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

Protected Instance Methods




 <u>Finalize</u> (inherited from Object)	Allows an <u>Object</u> to attempt to free resources and perform other cleanup operations before the <u>Object</u> is reclaimed by garbage collection.
 <u>GetService</u> (inherited from Microsoft.BusinessFramework.Agent.ServiceProvider)	
 <u>InvokeDefaulting</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 <u>InvokeValidating</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 <u>MemberwiseClone</u> (inherited from Object)	Creates a shallow copy of the current <u>Object</u> .
 <u>OnCreated</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 <u>OnDefaulting</u> (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 <u>OnDeleted</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 <u>OnDeleting</u>	
 <u>OnFound</u>	

 OnInserted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnInserting	
 OnPropertyValueChanged (inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 OnPropertyValueChanging (inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 OnServiceDefaulting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnServiceValidating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnUpdated (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnUpdating	
 OnValidating	











Protected Internal Instance Properties

 ValidationMode (inherited from Microsoft.BusinessFramework.Agent.Agent)


Protected Internal Instance Methods

 SetGroupRootID
 SetParentID
 SetValidationMode (inherited from Microsoft.BusinessFramework.Agent.Agent)

Explicit Interface Implementations

 IActivityConsumer.GetActivityContext (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IActivityConsumer.SetActivityContext (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IAgent.Defaulting (inherited from Microsoft.BusinessFramework.Agent.Agent)
 IAgent.SetPropertyBindingManager (inherited from Microsoft.BusinessFramework.Agent.Agent)
 IAgent.Validating (inherited from Microsoft.BusinessFramework.Agent.Agent)
 IEntity.Created (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IEntity.Deleted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IEntity.Deleting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IEntity.Found (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IEntity.Inserted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)

 IEntity.Inserting (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 IEntity.ServiceDefaulting (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 IEntity.SetKey (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 IEntity.Updated (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 IEntity.Updating (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

See Also

[PersistentTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

PersistentTreeNode Constructor

Initializes a new instance of the PersistentTreeNode class.

```
protected PersistentTreeNode();
```

See Also















[PersistentTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)









Common Help

PersistentTreeNode Properties




The properties of the **PersistentTreeNode** class are listed below. For a complete list of **PersistentTreeNode** class members, see the [PersistentTreeNode Members](#) topic.

Public Instance Properties


 GroupRootID	Gets an ID of the group root node for this node.
 HasChanged (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 HasChangedFlags (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 ID	Gets a unique identifier of the node.
 IsGroupRoot	Gets a value that indicates whether the node is a group root.
 IsNew (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IsOriginalGroupRoot	Gets a value that indicates whether the node was a group root at the time when it was retrieved from data store.
 IsOriginalRoot	Gets a value that indicates whether the node was a root of the tree at the time when it was retrieved from data store.
 IsReadOnly (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IsResidentAttached	Gets a value that indicates whether the resident is attached to the node.
 IsRoot	Gets a value that indicates whether the node is a root.
 OriginalGroupRootID	Gets an ID of the group root node for this node at the time when it was retrieved from data store.
 OriginalParentID	Gets ID of the parent node from the time the node was retrieved from data store.
 OriginalResidentID	Gets ID of the resident from the time the node was retrieved

	from data store.
 ParentID	Gets ID of the parent node.
 PersistentTree	Gets the persistent tree this node belongs to.
 PersistentTreeID	Gets the ID of persistent tree of this node.
 PropertyBindingManager (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 ResidentID	Gets ID of the resident.
 ResidentType	Gets the type of attached resident.
 ResidentTypeID	Gets the type id of attached resident.
 ValidationInfo (Inherited from Microsoft.BusinessFramework.Agent.Agent)	

Protected Instance Properties

 ServiceEventManager (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 ShouldInitializeEventBroker (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 ShouldValidateProperties (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	

Protected Internal Instance Properties

 ValidationMode (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
---	--

See Also

[PersistentTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode.GroupRootID Property**

Gets an ID of the group root node for this node.

```
public System.Guid GroupRootID {get;}
```

See Also

[PersistentTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode.ID Property**

Gets a unique identifier of the node.

```
public System.Guid ID {get;}
```

See Also

[PersistentTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode.IsGroupRoot Property**

Gets a value that indicates whether the node is a group root.

```
public bool IsGroupRoot {get;}
```

See Also

[PersistentTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode.IsOriginalGroupRoot Property**

Gets a value that indicates whether the node was a group root at the time when it was retrieved from data store.

```
public bool IsOriginalGroupRoot {get;}
```

See Also

[PersistentTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode.IsOriginalRoot Property**

Gets a value that indicates whether the node was a root of the tree at the time when it was retrieved from data store.

```
public bool IsOriginalRoot {get;}
```

See Also

[PersistentTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode.IsResidentAttached Property**

Gets a value that indicates whether the resident is attached to the node.

```
public bool IsResidentAttached {get;}
```

See Also

[PersistentTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode.IsRoot Property**

Gets a value that indicates whether the node is a root.

```
public bool IsRoot {get;}
```

See Also

[PersistentTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode.OriginalGroupRootID Property**

Gets an ID of the group root node for this node at the time when it was retrieved from data store.

```
public System.Guid OriginalGroupRootID {get;}
```

See Also

[PersistentTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode.OriginalParentID Property**

Gets ID of the parent node from the time the node was retrieved from data store.

```
public System.Guid OriginalParentID {get;}
```

See Also

[PersistentTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode.OriginalResidentID Property**

Gets ID of the resident from the time the node was retrieved from data store.

```
public System.Guid OriginalResidentID {get;}
```

See Also

[PersistentTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode.ParentID Property**

Gets ID of the parent node.

```
public System.Guid ParentID {get;}
```

Remarks

If this node is a root its ID is returned.

See Also

[PersistentTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode.PersistentTree Property**

Gets the persistent tree this node belongs to.

```
public PersistentTree PersistentTree {get; set;}
```

See Also

[PersistentTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode.PersistentTreeID Property**

Gets the ID of persistent tree of this node.

```
public System.Guid PersistentTreeID {get;}
```

See Also

[PersistentTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode.ResidentID Property**

Gets ID of the resident.

```
public System.Guid ResidentID {get;}
```

See Also

[PersistentTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode.ResidentType Property**

Gets the type of attached resident.

```
public System.Type ResidentType {get;}
```

See Also

[PersistentTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode.ResidentTypeID Property**

Gets the type id of attached resident.

```
public short ResidentTypeID {get;}
```

























See Also

[PersistentTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)





*Common Help***PersistentTreeNode Methods**
















The methods of the **PersistentTreeNode** class are listed below. For a complete list of **PersistentTreeNode** class members, see the [PersistentTreeNode Members](#) topic.

Public Instance Methods




 <u>AddChild</u>	Creates a new node as a child of given node.
 <u>AddParent</u>	Creates a new node as a parent of given node.
 <u>AttachResident</u>	Attaches resident to the node.
 <u>ClearValidateOptions</u>	Not for external use.
 <u>CreateChild</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	Overloaded.
 <u>DetachResident</u>	Detaches resident from the node.
 <u>Equals</u> (inherited from Object)	Determines whether the specified <u>Object</u> is equal to the current <u>Object</u> .
 <u>GetChildren</u>	Gets children of the node.
 <u>GetGroupRoot</u>	Gets group root of the node.
 <u>GetHashCode</u> (inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 <u>GetKey</u>	
 <u>GetParent</u>	Gets parent of the node.
 <u>GetProperty</u> (inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 <u>GetResident</u>	Get resident of the node.
 <u>GetType</u> (inherited from Object)	Gets the <u>Type</u> of the current instance.
 <u>IsDescendantOf</u>	Determines whether this node is descendant of another node.
 <u>IsValid</u> (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 <u>IsValidateOptionSet</u>	Not for external use.
 <u>Move</u>	Moves the subtree under different parent.
 <u>OnDeserialization</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 <u>SetGroupRoot</u>	Sets this node as a group root.
 <u>SetHasChanged</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 <u>SetValidateOption</u>	Not for external use.
 <u>ToString</u> (inherited from Object)	Returns a <u>String</u> that represents the current <u>Object</u> .

Protected Instance Methods







 <u>Finalize</u> (inherited from Object)	Allows an <u>Object</u> to attempt to free resources and perform other cleanup operations before the <u>Object</u> is reclaimed by garbage collection.
 <u>GetService</u> (inherited from Microsoft.BusinessFramework.Agent.ServiceProvider)	
 <u>InvokeDefaulting</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 <u>InvokeValidating</u> (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	










 MemberwiseClone (inherited from Object)	Creates a shallow copy of the current <u>Object</u> .
 OnCreated (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnDefaulting (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 OnDeleted (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnDeleting	
 OnFound	
 OnInserted (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnInserting	
 OnPropertyValueChanged (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 OnPropertyValueChanging (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 OnServiceDefaulting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnServiceValidating (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	Overloaded.
 OnUpdated (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnUpdating	
 OnValidating	

Protected Internal Instance Methods

 SetGroupRootID
 SetParentID
 SetValidationMode (Inherited from Microsoft.BusinessFramework.Agent.Agent)

Explicit Interface Implementations

 IActivityConsumer.GetActivityContext (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IActivityConsumer.SetActivityContext (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IAgent.Defaulting (Inherited from Microsoft.BusinessFramework.Agent.Agent)
 IAgent.SetPropertyBindingManager (Inherited from Microsoft.BusinessFramework.Agent.Agent)
 IAgent.Validating (Inherited from Microsoft.BusinessFramework.Agent.Agent)
 IEntity.Created (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)

 IEntity.Deleted (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Deleting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Found (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Inserted (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Inserting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.ServiceDefaulting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.SetKey (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Updated (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Updating (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	

See Also

[PersistentTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode.AddChild Method**

Creates a new node as a child of given node.

```
public PersistentTreeNode AddChild();
```

Return Value

Newly created child.

See Also

[PersistentTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode.AddParent Method**

Creates a new node as a parent of given node.

```
public PersistentTreeNode AddParent();
```

Return Value

Newly created parent.

Remarks

Newly created parent is inserted to the tree between the node and its old parent.

See Also

[PersistentTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode.AttachResident Method**

Attaches resident to the node.

```
public void AttachResident(
    IIdentifiable resident
);
```

Parameters

resident

Resident to attach.

Remarks

Resident must be persisted before the tree is persisted, otherwise an EntityInvalidException will be thrown when saving the tree.

See Also

[PersistentTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode.ClearValidateOptions Method**

Not for external use.

```
public void ClearValidateOptions();
```

See Also

[PersistentTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode.DetachResident Method**

Detaches resident from the node.

```
public void DetachResident();
```

See Also

[PersistentTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode.GetChildren Method**

Gets children of the node.

```
public ArrayList GetChildren();
```

Return Value

List of children.

See Also

[PersistentTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode.GetGroupRoot Method**

Gets group root of the node.

```
public PersistentTreeNode GetGroupRoot();
```

Return Value

Group root of the node.

See Also

[PersistentTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode.GetKey Method**

```
new public Key GetKey();
```

See Also

[PersistentTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode.GetParent Method**

Gets parent of the node.

```
public PersistentTreeNode GetParent();
```

Return Value

Parent of the node.

Remarks

If the node is a root it returns null.

See Also

[PersistentTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode.GetResident Method**

Get resident of the node.

```
public IIidentifiable GetResident();
```

Return Value

Attached resident of the node.

See Also

[PersistentTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode.IsDescendantOf Method**

Determines whether this node is descendant of another node.

```
public bool IsDescendantOf(  
    PersistentTreeNode node  
);
```

Parameters

node
Assumed ancestor

Return Value

True if this node is a descendant of the node passed in; false otherwise.

See Also

[PersistentTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode.IsValidateOptionSet Method**

Not for external use.

```
public bool IsValidateOptionSet(  
    ValidateOptions value  
);
```

See Also

[PersistentTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode.Move Method**

Moves the subtree under different parent.

```
public void Move(  
    PersistentTreeNode newParent  
);
```

Parameters

newParent
The new parent of the subtree attached to this node.

Exceptions

Exception Type	Condition
InvalidOperationException	Thrown if the operation attempts to create a cycle in a hierarchy.

See Also

[PersistentTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode.OnDeleting Method**

```
protected override void OnDeleting(  
    EntityEventArgs args  
) {  
}
```

See Also

[PersistentTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode.OnFound Method**

```
protected override void OnFound(  
    EntityEventArgs args  
) {  
}
```

See Also

[PersistentTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode.OnInserting Method**

```
protected override void OnInserting(  
    EntityEventArgs args  
) {  
}
```

See Also

[PersistentTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode.OnUpdating Method**

```
protected override void OnUpdating(  
    EntityEventArgs args  
) {  
}
```

See Also

[PersistentTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode.OnValidating Method**

```
protected override void OnValidating(  
    ValidationEventArgs args  
) {  
}
```

See Also

[PersistentTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode.SetGroupRoot Method**

Sets this node as a group root.

```
public void SetGroupRoot(  
    bool isGroupRoot  
) {  
}
```

Parameters

isGroupRoot

True means this node will be set as group root; false means this node will not be a group root.

See Also

[PersistentTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode.SetGroupRootID Method**

```
protected internal void SetGroupRootID(
    Guid groupRootID
);
```

See Also

[PersistentTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode.SetParentID Method**

```
protected internal void SetParentID(
    Guid parentID
);
```

See Also

[PersistentTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode.SetValidateOption Method**

Not for external use.

```
public void SetValidateOption(
    ValidateOptions value
);
```

See Also

[PersistentTreeNode Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode.IService Interface**

For a list of all members of this type, see [PersistentTreeNode.IService Members](#).

```
public interface PersistentTreeNode.IService : IService
```

Requirements

Namespace: [Microsoft.Business.Common.OrganizationStructure](#)

Assembly: Microsoft.Business.Common (in Microsoft.Business.Common.dll)


See Also

[PersistentTreeNode.IService Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)


*Common Help***PersistentTreeNode.IService Members**

[PersistentTreeNode.IService overview](#)

Public Instance Methods

```
 CopyLinksFrom
```

```
 CopyLinksTo
```

```
 MoveLinksFrom
```



```
 MoveLinksTo
```

See Also

[PersistentTreeNode.IService Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode.IService Methods**

The methods of the **PersistentTreeNode.IService** interface are listed below. For a complete list of **PersistentTreeNode.IService** interface members, see the [PersistentTreeNode.IService Members](#) topic.

Public Instance Methods [CopyLinksFrom](#) [CopyLinksTo](#) [MoveLinksFrom](#) [MoveLinksTo](#)**See Also**[PersistentTreeNode.IService Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)*Common Help***PersistentTreeNode.IService.CopyLinksFrom Method**

```

void CopyLinksFrom(
    PersistentTreeNode node,
    FilterLevel filterLevel,
    Guid sourceResidentID
);

```

See Also[PersistentTreeNode.IService Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)*Common Help***PersistentTreeNode.IService.CopyLinksTo Method**

```

void CopyLinksTo(
    PersistentTreeNode node,
    FilterLevel filterLevel,
    Guid destinationResidentID
);

```

See Also[PersistentTreeNode.IService Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)*Common Help***PersistentTreeNode.IService.MoveLinksFrom Method**

```

void MoveLinksFrom(
    PersistentTreeNode node,
    FilterLevel filterLevel,
    Guid sourceResidentID
);

```

See Also[PersistentTreeNode.IService Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)*Common Help***PersistentTreeNode.IService.MoveLinksTo Method**

```

void MoveLinksTo(
    PersistentTreeNode node,
    FilterLevel filterLevel,
    Guid destinationResidentID
);

```









See Also[PersistentTreeNode.IService Interface](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)*Common Help***PersistentTreeNode.Key Class**

EntityKey class for PersistentTreeNode.











For a list of all members of this type, see [PersistentTreeNode.Key Members](#).[System.Object](#)[ClassKey](#)[EntityKey](#)[PersistentTreeNode.Key](#)

```
public class PersistentTreeNode.Key : EntityKey
```


Requirements**Namespace:** [Microsoft.Business.Common.OrganizationStructure](#)**Assembly:** Microsoft.Business.Common (in Microsoft.Business.Common.dll)**See Also**[PersistentTreeNode.Key Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)*Common Help***PersistentTreeNode.Key Members**[PersistentTreeNode.Key overview](#)**Public Instance Properties**

 ClassType (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 ID
 IsEntityCached (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IsEntityReadOnly (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IsEntitySerializable (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 Options (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 Parent (inherited from Microsoft.BusinessFramework.ClassKey)
 Properties (inherited from Microsoft.BusinessFramework.ClassKey)

Public Instance Methods

 Clone (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	Overloaded.
 CopyFromEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 CopyToEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 Equals (inherited from Microsoft.BusinessFramework.ClassKey)	
 GetEntity	
 GetGuid (inherited from Microsoft.BusinessFramework.ClassKey)	
 GetHashCode (inherited from Microsoft.BusinessFramework.ClassKey)	
 GetType (inherited from Object)	Gets the Type of the current instance.
 ReleaseEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 ToString (inherited from Microsoft.BusinessFramework.ClassKey)	Overloaded.






Protected Instance Constructors

 PersistentTreeNode.Key	Overloaded. Initializes a new instance of the PersistentTreeNode.Key class.
--	---


Protected Instance Properties

 CanCacheValues (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
--






Protected Instance Methods

 Finalize (inherited from Object)	Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection.
 MemberwiseClone (inherited from Object)	Creates a shallow copy of the current Object .
 SetParent (inherited from Microsoft.BusinessFramework.ClassKey)	
 SetType (inherited from Microsoft.BusinessFramework.ClassKey)	
 ShouldFixUpContainmentHierarchy (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	

Protected Internal Instance Constructors

 PersistentTreeNode.Key	Overloaded. Initializes a new instance of the PersistentTreeNode.Key class.
--	---

Explicit Interface Implementations

 IActivityConsumer.GetActivityContext (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IActivityConsumer.SetActivityContext (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IDeserializationCallback.OnDeserialization (inherited from Microsoft.BusinessFramework.ClassKey)
 IInternalKey.SetEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IInternalKey.SetParent (inherited from Microsoft.BusinessFramework.Entity.EntityKey)

See Also

[PersistentTreeNode.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode.Key Constructor**

Initializes a new instance of the Key class.

Overload List

Initializes a new instance of the Key class.

[protected PersistentTreeNode.Key\(\);](#)

[protected internal PersistentTreeNode.Key\(Guid,IKey\);](#)

See Also

[PersistentTreeNode.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode.Key Constructor ()**

Initializes a new instance of the Key class.


```
protected PersistentTreeNode.Key();
```

See Also

[PersistentTreeNode.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [PersistentTreeNode.Key Constructor Overload List](#)

Common Help

PersistentTreeNode.Key Constructor (Guid, IKey)

```
protected internal PersistentTreeNode.Key(  
    Guid id,  
    IKey parent  
);
```

See Also









[PersistentTreeNode.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [PersistentTreeNode.Key Constructor Overload List](#)

Common Help


PersistentTreeNode.Key Properties

The properties of the **PersistentTreeNode.Key** class are listed below. For a complete list of **PersistentTreeNode.Key** class members, see the [PersistentTreeNode.Key Members](#) topic.

Public Instance Properties

 ClassType (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 ID
 IsEntityCached (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IsEntityReadOnly (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IsEntitySerializable (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 Options (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 Parent (inherited from Microsoft.BusinessFramework.ClassKey)
 Properties (inherited from Microsoft.BusinessFramework.ClassKey)

Protected Instance Properties

 CanCacheValues (inherited from Microsoft.BusinessFramework.Entity.EntityKey)

See Also

[PersistentTreeNode.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

PersistentTreeNode.Key.ID Property

```
public System.Guid ID {get;}
```

See Also

[PersistentTreeNode.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)











Common Help

PersistentTreeNode.Key Methods






The methods of the **PersistentTreeNode.Key** class are listed below. For a complete list of **PersistentTreeNode.Key** class

members, see the [PersistentTreeNode.Key Members](#) topic.






Public Instance Methods

 Clone (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	Overloaded.
 CopyFromEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 CopyToEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 Equals (inherited from Microsoft.BusinessFramework.ClassKey)	
 GetEntity	
 GetGuid (inherited from Microsoft.BusinessFramework.ClassKey)	
 GetHashCode (inherited from Microsoft.BusinessFramework.ClassKey)	
 GetType (inherited from Object)	
 ReleaseEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	Gets the <u>Type</u> of the current instance.
 ToString (inherited from Microsoft.BusinessFramework.ClassKey)	

Protected Instance Methods

 Finalize (inherited from Object)	Allows an <u>Object</u> to attempt to free resources and perform other cleanup operations before the <u>Object</u> is reclaimed by garbage collection.
 MemberwiseClone (inherited from Object)	Creates a shallow copy of the current <u>Object</u> .
 SetParent (inherited from Microsoft.BusinessFramework.ClassKey)	
 SetType (inherited from Microsoft.BusinessFramework.ClassKey)	
 ShouldFixUpContainmentHierarchy (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	

Explicit Interface Implementations

 IActivityConsumer.GetActivityContext (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 IActivityConsumer.SetActivityContext (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 IDeserializationCallback.OnDeserialization (inherited from Microsoft.BusinessFramework.ClassKey)	
 IInternalKey.SetEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 IInternalKey.SetParent (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	

See Also

[PersistentTreeNode.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

PersistentTreeNode.Key.GetEntity Method

```
new public PersistentTreeNode GetEntity();
```

See Also

[PersistentTreeNode.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNode.ValidateOptions Enumeration**

```
public enum PersistentTreeNode.ValidateOptions
```

Members

Member Name	Description
None	
SkipResidentValidation	

Requirements

Namespace: [Microsoft.Business.Common.OrganizationStructure](#)

Assembly: Microsoft.Business.Common (in Microsoft.Business.Common.dll)

See Also

[Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNodeVirtualCollection Class**

Entity VirtualCollection for PersistentTreeNode.

For a list of all members of this type, see [PersistentTreeNodeVirtualCollection Members](#).

[System.Object](#)

[ServiceProvider](#)

[EntityVirtualCollection](#)

PersistentTreeNodeVirtualCollection

```
public class PersistentTreeNodeVirtualCollection : EntityVirtualCollection
```

Requirements

Namespace: [Microsoft.Business.Common.OrganizationStructure](#)

Assembly: Microsoft.Business.Common (in Microsoft.Business.Common.dll)







See Also





[PersistentTreeNodeVirtualCollection Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNodeVirtualCollection Members**






















[PersistentTreeNodeVirtualCollection overview](#)

Public Instance Properties

 CollectionOptions (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 CreateOptions (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 DataLocationPolicy (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 EntityClassName (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 EntityType (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 FilterOptions (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)










 FindOptions (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 ParentKey (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 SecurityOptions (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 TransactionOptions (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)

Public Instance Methods


 Abort (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 ClearCache (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 Create (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 <u>Create</u>	Overloaded.
 Delete (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 DeleteAll (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 <u>DeleteByID</u>	
 <u>Equals</u> (inherited from Object)	Determines whether the specified <u>Object</u> is equal to the current <u>Object</u> .
 Find (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 <u>Find</u>	Overloaded.
 FindAll (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 FindAllWithBlock (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 <u>FindByID</u>	
 <u>FindByParentID</u>	Finds all children of given node.
 <u>FindByPersistentTreeID</u>	Finds all nodes for given tree.
 <u>FindByResident</u>	Finds all nodes with given resident attached.
 <u>FindRoot</u>	Finds a root of the tree.
 <u>GetHashCode</u> (inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 <u>GetType</u> (inherited from Object)	Gets the <u>Type</u> of the current instance.
 Save (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 <u>ToString</u> (inherited from Object)	Returns a <u>String</u> that represents the current <u>Object</u> .

Protected Instance Methods

--

 CanCreate (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 CanDelete (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 CanSave (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 <u>Finalize</u> (inherited from Object)	Allows an <u>Object</u> to attempt to free resources and perform other cleanup operations before the <u>Object</u> is reclaimed by garbage collection.
 GetService (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 GetService (inherited from Microsoft.BusinessFramework.Agent.ServiceProvider)	Overloaded.
 <u>MemberwiseClone</u> (inherited from Object)	Creates a shallow copy of the current <u>Object</u> .
 VerifyEntity (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 VerifyKey (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	

Protected Internal Instance Constructors

 PersistentTreeNodeVirtualCollection Constructor

Protected Internal Instance Methods

 OnGetEntity (inherited from **Microsoft.BusinessFramework.Entity.EntityVirtualCollection**)

See Also

[PersistentTreeNodeVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

PersistentTreeNodeVirtualCollection Constructor

```
protected internal PersistentTreeNodeVirtualCollection(  
    PersistentTree tree  
) ;
```

See Also






[PersistentTreeNodeVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

















Common Help

PersistentTreeNodeVirtualCollection Methods










The methods of the **PersistentTreeNodeVirtualCollection** class are listed below. For a complete list of **PersistentTreeNodeVirtualCollection** class members, see the [PersistentTreeNodeVirtualCollection Members](#) topic.

Public Instance Methods

 Abort (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 ClearCache (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 Create (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 <u>Create</u>	Overloaded.
 Delete (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.

Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 DeleteAll (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 DeleteByID	
 Equals (Inherited from Object)	Determines whether the specified <u>Object</u> is equal to the current <u>Object</u> .
 Find (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 Find	Overloaded.
 FindAll (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 FindAllWithBlock (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 FindByID	
 FindByParentID	Finds all children of given node.
 FindByPersistentTreeID	Finds all nodes for given tree.
 FindByResident	Finds all nodes with given resident attached.
 FindRoot	Finds a root of the tree.
 GetHashCode (Inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 GetType (Inherited from Object)	Gets the <u>Type</u> of the current instance.
 Save (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 ToString (Inherited from Object)	Returns a <u>String</u> that represents the current <u>Object</u> .

Protected Instance Methods

 CanCreate (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 CanDelete (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 CanSave (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 Finalize (Inherited from Object)	Allows an <u>Object</u> to attempt to free resources and perform other cleanup operations before the <u>Object</u> is reclaimed by garbage collection.
 GetService (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 GetService (Inherited from Microsoft.BusinessFramework.Agent.ServiceProvider)	Overloaded.
 MemberwiseClone (Inherited from Object)	Creates a shallow copy of the current <u>Object</u> .
 VerifyEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 VerifyKey (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	

Protected Internal Instance Methods

 **OnGetEntity** (inherited from **Microsoft.BusinessFramework.Entity.EntityVirtualCollection**)

See Also

[PersistentTreeNodeVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNodeVirtualCollection.Create Method****Overload List**

[new public PersistentTreeNode Create\(\);](#)

Inherited from [EntityVirtualCollection](#).

[public virtual IEntity Create\(EntityKey\);](#)

See Also

[PersistentTreeNodeVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNodeVirtualCollection.Create Method ()**

```
new public PersistentTreeNode Create();
```

See Also

[PersistentTreeNodeVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) |
[PersistentTreeNodeVirtualCollection.Create Overload List](#)

*Common Help***PersistentTreeNodeVirtualCollection.DeleteByID Method**

```
public void DeleteByID(  
    Guid nodeID  
);
```

See Also

[PersistentTreeNodeVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNodeVirtualCollection.Find Method****Overload List**

[new public PersistentTreeNode Find\(EntityCriteria\);](#)

Inherited from [EntityVirtualCollection](#).

[public virtual IEntity Find\(WhereExpression\);](#)

See Also

[PersistentTreeNodeVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNodeVirtualCollection.Find Method (EntityCriteria)**

```
new public PersistentTreeNode Find(  
    EntityCriteria criteria  
);
```

See Also

[PersistentTreeNodeVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) |
[PersistentTreeNodeVirtualCollection.Find Overload List](#)

*Common Help***PersistentTreeNodeVirtualCollection.FindByID Method**

```
public PersistentTreeNode FindByID(  
    Guid nodeID  
);
```

See Also

[PersistentTreeNodeVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNodeVirtualCollection.FindByParentID Method**

Finds all children of given node.

```
public ArrayList FindByParentID(  
    Guid parentID  
)
```

Parameters

parentID
ID of the parent

Return Value

All matching nodes.

See Also

[PersistentTreeNodeVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNodeVirtualCollection.FindByPersistentTreeID Method**

Finds all nodes for given tree.

```
public ArrayList FindByPersistentTreeID(  
    Guid treeID  
)
```

Parameters

treeID
ID of the tree

Return Value

All nodes for the tree passed in.

See Also

[PersistentTreeNodeVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNodeVirtualCollection.FindByResident Method**

Finds all nodes with given resident attached.

```
public ArrayList FindByResident(  
    short residentTypeID,  
    Guid residentID  
)
```

Parameters

residentTypeID
ID of the resident
residentID
Type id of the resident

Return Value**See Also**

[PersistentTreeNodeVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeNodeVirtualCollection.FindRoot Method**

Finds a root of the tree.

```
public PersistentTreeNode FindRoot(  
    Guid treeID  
)
```


Parameters

treeID
ID of the tree

Return Value

Root node of the specified tree.

See Also

[PersistentTreeNodeVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help**PersistentTreeOptions Enumeration**

Defines optional behavior of a type deriving from persistent tree.

```
public enum PersistentTreeOptions
```

Members

Member Name	Description
None	No options.
Grouping	Specifies that the tree type supports grouping of the nodes.
ResidentRequired	Specifies that data must be attached to a node in order to successfully save it.
FilterAttached	Specifies that tree type supports filters. When a filter changes its level the tree is used to calculate new set of links.
FilterMaintained	Specifies that tree type participates in maintaining filters attached to its residents. When the tree is updated the filters are automatically updated to reflect the change.
ResidentUnique	Specifies that resident attached to a tree node has to be unique within the tree.
ResidentUniqueForAllTrees	Specifies that resident attached to a tree node has to be unique within all the trees of given type.

Requirements

Namespace: [Microsoft.Business.Common.OrganizationStructure](#)

Assembly: Microsoft.Business.Common (in Microsoft.Business.Common.dll)

See Also

[Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help**PersistentTreeResidentType Class**

Summary description for PersistentTreeResidentType.

For a list of all members of this type, see [PersistentTreeResidentType Members](#).

[System.Object](#)

[ServiceProvider](#)

[Agent](#)

[BusinessEntity](#)

PersistentTreeResidentType

```
public class PersistentTreeResidentType : BusinessEntity
```

Requirements

Namespace: [Microsoft.Business.Common.OrganizationStructure](#)

Assembly: Microsoft.Business.Common (in Microsoft.Business.Common.dll)











See Also

[PersistentTreeResidentType Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)











Common Help**PersistentTreeResidentType Members**

[PersistentTreeResidentType overview](#)





Public Instance Properties









 HasChanged (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 HasChangedFlags (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 IsNew (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IsReadOnly (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 PersistentTreeID	Gets or sets the ID of the tree that allows specified types.
 PropertyBindingManager (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 Type	Gets or sets allowed type of the residents.
 TypeID	Gets or sets the unique id of the allowed resident type.
 TypeName	Gets or sets allowed type of residents.
 ValidationInfo (Inherited from Microsoft.BusinessFramework.Agent.Agent)	

Public Instance Methods


 CreateChild (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	Overloaded.
 Equals (Inherited from Object)	Determines whether the specified <u>Object</u> is equal to the current <u>Object</u> .
 GetHashCode (Inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 GetKey	
 GetProperty (Inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 GetType (Inherited from Object)	Gets the <u>Type</u> of the current instance.
 IsValid (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 OnDeserialization (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 SetHasChanged (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 ToString (Inherited from Object)	Returns a <u>String</u> that represents the current <u>Object</u> .

Public Instance Events




 Created (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 Defaulting (Inherited from Microsoft.BusinessFramework.Agent.Agent)
 Deleted (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 Deleting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)

 Found (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 Inserted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 Inserting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 ServiceDefaulting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 ServiceValidating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 Updated (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 Updating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 Validating (inherited from Microsoft.BusinessFramework.Agent.Agent)











Protected Instance Constructors











 PersistentTreeResidentType Constructor	Initializes a new instance of the PersistentTreeResidentType class.
---	---

Protected Instance Properties

 ServiceEventManager (inherited from Microsoft.BusinessFramework.Agent.Agent)
 ShouldInitializeEventBroker (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 ShouldValidateProperties (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)

Protected Instance Methods

 Finalize (inherited from Object)	Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection.
 GetService (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	Overloaded.
 GetService (inherited from Microsoft.BusinessFramework.Agent.ServiceProvider)	Overloaded.
 InvokeDefaulting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 InvokeValidating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 MemberwiseClone (inherited from Object)	Creates a shallow copy of the current Object .
 OnCreated (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnDefaulting (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 OnDeleted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnDeleting (inherited from	

Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnFound (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnInserted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnInserting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnPropertyValueChanged (inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 OnPropertyValueChanging (inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 OnServiceDefaulting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnServiceValidating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnUpdated (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnUpdating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnValidating (inherited from Microsoft.BusinessFramework.Agent.Agent)	










Protected Internal Instance Properties

 ValidationMode (inherited from Microsoft.BusinessFramework.Agent.Agent)
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Protected Internal Instance Methods


 SetValidationMode (inherited from Microsoft.BusinessFramework.Agent.Agent)


Explicit Interface Implementations

 IActivityConsumer.GetActivityContext (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IActivityConsumer.SetActivityContext (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IAgent.Defaulting (inherited from Microsoft.BusinessFramework.Agent.Agent)
 IAgent.SetPropertyBindingManager (inherited from Microsoft.BusinessFramework.Agent.Agent)
 IAgent.Validating (inherited from Microsoft.BusinessFramework.Agent.Agent)
 IEntity.Created (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IEntity.Deleted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IEntity.Deleting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)
 IEntity.Found (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)

 IEntity.Inserted (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 IEntity.Inserting (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 IEntity.ServiceDefaulting (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 IEntity.SetKey (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 IEntity.Updated (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

 IEntity.Updating (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

See Also

[PersistentTreeResidentType Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

PersistentTreeResidentType Constructor

Initializes a new instance of the PersistentTreeResidentType class.

```
protected PersistentTreeResidentType();
```

See Also











[PersistentTreeResidentType Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help


PersistentTreeResidentType Properties

The properties of the **PersistentTreeResidentType** class are listed below. For a complete list of **PersistentTreeResidentType** class members, see the [PersistentTreeResidentType Members](#) topic.

Public Instance Properties

 HasChanged (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 HasChangedFlags (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 IsNew (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IsReadOnly (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 PersistentTreeID	Gets or sets the ID of the tree that allows specified types.
 PropertyBindingManager (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 Type	Gets or sets allowed type of the residents.
 TypeID	Gets or sets the unique id of the allowed resident type.
 TypeName	Gets or sets allowed type of residents.
 ValidationInfo (Inherited from Microsoft.BusinessFramework.Agent.Agent)	

Protected Instance Properties

 ServiceEventManager (Inherited from **Microsoft.BusinessFramework.Agent.Agent**)



ShouldInitializeEventBroker (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)



ShouldValidateProperties (Inherited from **Microsoft.BusinessFramework.Entity.BusinessEntity**)

Protected Internal Instance Properties



ValidationMode (Inherited from **Microsoft.BusinessFramework.Agent.Agent**)

See Also

[PersistentTreeResidentType Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

PersistentTreeResidentType.PersistentTreeID Property

Gets or sets the ID of the tree that allows specified types.

```
public System.Guid PersistentTreeID {get; set;}
```

See Also

[PersistentTreeResidentType Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

PersistentTreeResidentType.Type Property

Gets or sets allowed type of the residents.

```
public System.Type Type {get; set;}
```

Remarks

This property is synchronized with TypeName property.

See Also

[PersistentTreeResidentType Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

PersistentTreeResidentType.TypeID Property

Gets or sets the unique id of the allowed resident type.

```
public short TypeID {get; set;}
```

See Also

[PersistentTreeResidentType Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

PersistentTreeResidentType.TypeName Property

Gets or sets allowed type of residents.

```
public string TypeName {get;}
```

Remarks

This property is synchronized with Type property.

See Also

[PersistentTreeResidentType Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

PersistentTreeResidentType Methods










The methods of the **PersistentTreeResidentType** class are listed below. For a complete list of **PersistentTreeResidentType** class members, see the [PersistentTreeResidentType Members](#) topic.

Public Instance Methods























CreateChild (Inherited from

Overloaded.


Microsoft.BusinessFramework.Entity.BusinessEntity)	
 Equals (inherited from Object)	Determines whether the specified <u>Object</u> is equal to the current <u>Object</u> .
 GetHashCode (inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 GetKey	
 GetProperty (inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 GetType (inherited from Object)	Gets the <u>Type</u> of the current instance.
 IsValid (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 OnDeserialization (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 SetHasChanged (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 ToString (inherited from Object)	Returns a <u>String</u> that represents the current <u>Object</u> .

Protected Instance Methods











 Finalize (inherited from Object)	Allows an <u>Object</u> to attempt to free resources and perform other cleanup operations before the <u>Object</u> is reclaimed by garbage collection.
 GetService (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	Overloaded.
 GetService (inherited from Microsoft.BusinessFramework.Agent.ServiceProvider)	Overloaded.
 InvokeDefaulting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 InvokeValidating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 MemberwiseClone (inherited from Object)	Creates a shallow copy of the current <u>Object</u> .
 OnCreated (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnDefaulting (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 OnDeleted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnDeleting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnFound (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnInserted (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnInserting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnPropertyValueChanged (inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 OnPropertyValueChanging (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	Overloaded.

Microsoft.BusinessFramework.Agent.Agent)	
 OnServiceDefaulting (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnServiceValidating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnUpdated (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnUpdating (inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 OnValidating (inherited from Microsoft.BusinessFramework.Agent.Agent)	

Protected Internal Instance Methods

 SetValidationMode (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
--	--

Explicit Interface Implementations

 IActivityConsumer.GetActivityContext (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IActivityConsumer.SetActivityContext (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IAgent.Defaulting (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 IAgent.SetPropertyBindingManager (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 IAgent.Validating (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 IEntity.Created (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Deleted (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Deleting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Found (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Inserted (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Inserting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.ServiceDefaulting (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.SetKey (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Updated (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	
 IEntity.Updating (Inherited from Microsoft.BusinessFramework.Entity.BusinessEntity)	

See Also

[PersistentTreeResidentType Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

PersistentTreeResidentType.GetKey Method

```
new public Key GetKey();
```

See Also

[PersistentTreeResidentType Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

PersistentTreeResidentType.Key Class

EntityKey class for PersistentTreeResidentType.
For a list of all members of this type, see [PersistentTreeResidentType.Key Members](#).

- [System.Object](#)
- [ClassKey](#)
- [EntityKey](#)
- PersistentTreeResidentType.Key**

```
public class PersistentTreeResidentType.Key : EntityKey
```

Requirements

- Namespace:** [Microsoft.Business.Common.OrganizationStructure](#)
- Assembly:** Microsoft.Business.Common (in Microsoft.Business.Common.dll)

See Also










[PersistentTreeResidentType.Key Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help



PersistentTreeResidentType.Key Members









[PersistentTreeResidentType.Key overview](#)

Public Instance Properties


 ClassType (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IsEntityCached (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IsEntityReadOnly (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IsEntitySerializable (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 Options (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 Parent (inherited from Microsoft.BusinessFramework.ClassKey)
 PersistentTreeID
 Properties (inherited from Microsoft.BusinessFramework.ClassKey)
 TypeID

Public Instance Methods


 Clone (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	Overloaded.
 CopyFromEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	

 CopyToEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 Equals (inherited from Microsoft.BusinessFramework.ClassKey)	
 GetEntity	
 GetGuid (inherited from Microsoft.BusinessFramework.ClassKey)	
 GetHashCode (inherited from Microsoft.BusinessFramework.ClassKey)	
 GetType (inherited from Object)	Gets the <u>Type</u> of the current instance.
 ReleaseEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 ToString (inherited from Microsoft.BusinessFramework.ClassKey)	Overloaded.






Protected Instance Constructors

 PersistentTreeResidentType.Key	Overloaded. Initializes a new instance of the PersistentTreeResidentType.Key class.
--	---


Protected Instance Properties

 CanCacheValues (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
--	--






Protected Instance Methods

 Finalize (inherited from Object)	Allows an <u>Object</u> to attempt to free resources and perform other cleanup operations before the <u>Object</u> is reclaimed by garbage collection.
 MemberwiseClone (inherited from Object)	Creates a shallow copy of the current <u>Object</u> .
 SetParent (inherited from Microsoft.BusinessFramework.ClassKey)	
 SetType (inherited from Microsoft.BusinessFramework.ClassKey)	
 ShouldFixUpContainmentHierarchy (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	

Protected Internal Instance Constructors

 PersistentTreeResidentType.Key	Overloaded. Initializes a new instance of the PersistentTreeResidentType.Key class.
--	---

Explicit Interface Implementations

 IActivityConsumer.GetActivityContext (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 IActivityConsumer.SetActivityContext (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 IDeserializationCallback.OnDeserialization (inherited from Microsoft.BusinessFramework.ClassKey)	
 IInternalKey.SetEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
 IInternalKey.SetParent (inherited from Microsoft.BusinessFramework.Entity.EntityKey)	

See Also

[PersistentTreeResidentType.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeResidentType.Key Constructor**

Initializes a new instance of the Key class.

Overload List

Initializes a new instance of the Key class.

`protected PersistentTreeResidentType.Key();`

`protected internal PersistentTreeResidentType.Key(Guid,short,IKey);`

See Also

[PersistentTreeResidentType.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeResidentType.Key Constructor ()**

Initializes a new instance of the Key class.

```
protected PersistentTreeResidentType.Key();
```

See Also

[PersistentTreeResidentType.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) |

[PersistentTreeResidentType.Key Constructor Overload List](#)

*Common Help***PersistentTreeResidentType.Key Constructor (Guid, Int16, IKey)**

```
protected internal PersistentTreeResidentType.Key(
    Guid persistentTreeID,
    short typeId,
    IKey parent
);
```

See Also

[PersistentTreeResidentType.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) |

[PersistentTreeResidentType.Key Constructor Overload List](#)

*Common Help***PersistentTreeResidentType.Key Properties**

The properties of the **PersistentTreeResidentType.Key** class are listed below. For a complete list of **PersistentTreeResidentType.Key** class members, see the [PersistentTreeResidentType.Key Members](#) topic.

Public Instance Properties

 **ClassType** (inherited from **Microsoft.BusinessFramework.Entity.EntityKey**)

 **IsEntityCached** (inherited from **Microsoft.BusinessFramework.Entity.EntityKey**)

 **IsEntityReadOnly** (inherited from **Microsoft.BusinessFramework.Entity.EntityKey**)

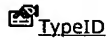
 **IsEntitySerializable** (inherited from **Microsoft.BusinessFramework.Entity.EntityKey**)

 **Options** (inherited from **Microsoft.BusinessFramework.Entity.EntityKey**)

 **Parent** (inherited from **Microsoft.BusinessFramework.ClassKey**)

 **PersistentTreeID**

 **Properties** (inherited from **Microsoft.BusinessFramework.ClassKey**)

**Protected Instance Properties**

CanCacheValues (Inherited from **Microsoft.BusinessFramework.Entity.EntityKey**)

See Also

[PersistentTreeResidentType.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeResidentType.Key.PersistentTreeID Property**

```
public System.Guid PersistentTreeID {get;}
```

See Also

[PersistentTreeResidentType.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeResidentType.Key.TypeID Property**

```
public short TypeID {get;}
```

See Also

[PersistentTreeResidentType.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeResidentType.Key Methods**





The methods of the **PersistentTreeResidentType.Key** class are listed below. For a complete list of **PersistentTreeResidentType.Key** class members, see the [PersistentTreeResidentType.Key Members](#) topic.

Public Instance Methods






Clone (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	Overloaded.
CopyFromEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
CopyToEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	
Equals (Inherited from Microsoft.BusinessFramework.ClassKey)	
GetEntity	
GetGuid (Inherited from Microsoft.BusinessFramework.ClassKey)	
GetHashCode (Inherited from Microsoft.BusinessFramework.ClassKey)	Gets the <u>Type</u> of the current instance.
GetType (Inherited from Object)	
ReleaseEntity (Inherited from Microsoft.BusinessFramework.Entity.EntityKey)	Overloaded.
ToString (Inherited from Microsoft.BusinessFramework.ClassKey)	

Protected Instance Methods

Finalize (Inherited from Object)	Allows an <u>Object</u> to attempt to free resources and perform other cleanup operations before the <u>Object</u> is reclaimed by garbage collection.
	Creates a shallow copy of the current <u>Object</u> .

 MemberwiseClone (inherited from Object)
 SetParent (inherited from Microsoft.BusinessFramework.ClassKey)
 SetType (inherited from Microsoft.BusinessFramework.ClassKey)
 ShouldFixUpContainmentHierarchy (inherited from Microsoft.BusinessFramework.Entity.EntityKey)

Explicit Interface Implementations

 IActivityConsumer.GetActivityContext (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IActivityConsumer.SetActivityContext (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IDeserializationCallback.OnDeserialization (inherited from Microsoft.BusinessFramework.ClassKey)
 IInternalKey.SetEntity (inherited from Microsoft.BusinessFramework.Entity.EntityKey)
 IInternalKey.SetParent (inherited from Microsoft.BusinessFramework.Entity.EntityKey)

See Also

[PersistentTreeResidentType.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

PersistentTreeResidentType.Key.GetEntity Method

```
new public PersistentTreeResidentType GetEntity();
```

See Also

[PersistentTreeResidentType.Key Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

PersistentTreeResidentTypeVirtualCollection Class

Entity VirtualCollection for PersistentTreeResidentType.
For a list of all members of this type, see [PersistentTreeResidentTypeVirtualCollection Members](#).

[System.Object](#)
 [ServiceProvider](#)
 [EntityVirtualCollection](#)
 PersistentTreeResidentTypeVirtualCollection

```
public class PersistentTreeResidentTypeVirtualCollection : EntityVirtualCollection
```

Requirements

Namespace: [Microsoft.Business.Common.OrganizationStructure](#)
Assembly: Microsoft.Business.Common (in Microsoft.Business.Common.dll)

See Also


[PersistentTreeResidentTypeVirtualCollection Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)


Common Help

PersistentTreeResidentTypeVirtualCollection Members

[PersistentTreeResidentTypeVirtualCollection overview](#)




Public Instance Properties

 CollectionOptions (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)










 CreateOptions (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 DataLocationPolicy (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 EntityClassName (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 EntityType (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 FilterOptions (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 FindOptions (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 ParentKey (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 SecurityOptions (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 TransactionOptions (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)

Public Instance Methods


 Abort (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 ClearCache (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 Create (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 <u>CreateByID</u>	
 Delete (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 DeleteAll (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 <u>DeleteByID</u>	
 <u>DeleteByPersistentTreeID</u>	Deletes all allowed resident types for given tree.
 <u>Equals</u> (inherited from Object)	Determines whether the specified <u>Object</u> is equal to the current <u>Object</u> .
 Find (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 <u>Find</u>	Overloaded.
 FindAll (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 FindAllWithBlock (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 <u>FindByID</u>	
 <u>FindByPersistentTreeID</u>	Finds all allowed resident types for specified tree.
 <u>GetHashCode</u> (inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash

	table.
 GetType (inherited from Object)	Gets the <u>Type</u> of the current instance.
 Save (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 ToString (inherited from Object)	Returns a <u>String</u> that represents the current <u>Object</u> .

Protected Instance Methods

 CanCreate (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 CanDelete (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 CanSave (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 Finalize (inherited from Object)	Allows an <u>Object</u> to attempt to free resources and perform other cleanup operations before the <u>Object</u> is reclaimed by garbage collection.
 GetService (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 GetService (inherited from Microsoft.BusinessFramework.Agent.ServiceProvider)	Overloaded.
 MemberwiseClone (inherited from Object)	Creates a shallow copy of the current <u>Object</u> .
 VerifyEntity (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 VerifyKey (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	

Protected Internal Instance Methods

 OnGetEntity (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
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



See Also














[PersistentTreeResidentTypeVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeResidentTypeVirtualCollection Methods**










The methods of the **PersistentTreeResidentTypeVirtualCollection** class are listed below. For a complete list of **PersistentTreeResidentTypeVirtualCollection** class members, see the [PersistentTreeResidentTypeVirtualCollection Members](#) topic.

Public Instance Methods


 Abort (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 ClearCache (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 Create (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 CreateByID	
 Delete (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 DeleteAll (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.

Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 DeleteByID	
 DeleteByPersistentTreeID	Deletes all allowed resident types for given tree.
 Equals (inherited from Object)	Determines whether the specified Object is equal to the current Object .
 Find (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 Find	Overloaded.
 FindAll (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 FindAllWithBlock (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 FindByID	
 FindByPersistentTreeID	Finds all allowed resident types for specified tree.
 GetHashCode (inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 GetType (inherited from Object)	Gets the Type of the current instance.
 Save (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 ToString (inherited from Object)	Returns a String that represents the current Object .

Protected Instance Methods

 CanCreate (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 CanDelete (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 CanSave (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 Finalize (inherited from Object)	Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection.
 GetService (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 GetService (inherited from Microsoft.BusinessFramework.Agent.ServiceProvider)	Overloaded.
 MemberwiseClone (inherited from Object)	Creates a shallow copy of the current Object .
 VerifyEntity (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 VerifyKey (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	

Protected Internal Instance Methods

 OnGetEntity (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
---	--

See Also

[PersistentTreeResidentTypeVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

PersistentTreeResidentTypeVirtualCollection.CreateByID Method

```
public PersistentTreeResidentType CreateByID(
    Guid persistentTreeID,
    short typeId
);
```

See Also
[PersistentTreeResidentTypeVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

PersistentTreeResidentTypeVirtualCollection.DeleteByID Method

```
public void DeleteByID(
    Guid persistentTreeID,
    short typeId
);
```

See Also
[PersistentTreeResidentTypeVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

PersistentTreeResidentTypeVirtualCollection.DeleteByPersistentTreeID Method

Deletes all allowed resident types for given tree.

```
public void DeleteByPersistentTreeID(
    Guid treeID
);
```

Parameters

treeID
ID of the tree

See Also
[PersistentTreeResidentTypeVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

PersistentTreeResidentTypeVirtualCollection.Find Method**Overload List**

[new public PersistentTreeResidentType Find\(EntityCriteria\);](#)

Inherited from [EntityVirtualCollection](#).

[public virtual IEntity Find\(WhereExpression\);](#)

See Also
[PersistentTreeResidentTypeVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

PersistentTreeResidentTypeVirtualCollection.Find Method (EntityCriteria)

```
new public PersistentTreeResidentType Find(
    EntityCriteria criteria
);
```

See Also
[PersistentTreeResidentTypeVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) |
[PersistentTreeResidentTypeVirtualCollection.Find Overload List](#)

Common Help

PersistentTreeResidentTypeVirtualCollection.FindByID Method

```
public PersistentTreeResidentType FindByID(
    Guid persistentTreeID,
    int typeId
);
```

See Also

[PersistentTreeResidentTypeVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

PersistentTreeResidentTypeVirtualCollection.FindByPersistentTreeID Method

Finds all allowed resident types for specified tree.

```
public ArrayList FindByPersistentTreeID(  
    Guid persistentTreeID  
) ;
```

Parameters

persistentTreeID
ID of the tree

Return Value

List of allowed resident types for given tree.

See Also

[PersistentTreeResidentTypeVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

PersistentTreeVirtualCollection Class

Entity VirtualCollection for PersistentTree.
For a list of all members of this type, see [PersistentTreeVirtualCollection Members](#).

[System.Object](#)
 [ServiceProvider](#)
 [EntityVirtualCollection](#)
 PersistentTreeVirtualCollection

```
public class PersistentTreeVirtualCollection : EntityVirtualCollection
```

Requirements

Namespace: [Microsoft.Business.Common.OrganizationStructure](#)
Assembly: Microsoft.Business.Common (in Microsoft.Business.Common.dll)

See Also


[PersistentTreeVirtualCollection Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

PersistentTreeVirtualCollection Members





[PersistentTreeVirtualCollection overview](#)

Public Instance Constructors


















 PersistentTreeVirtualCollection	Overloaded. Initializes a new instance of the PersistentTreeVirtualCollection class.
---	--

Public Instance Properties




 CollectionOptions (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 CreateOptions (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 DataLocationPolicy (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 EntityClassName (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 EntityType (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
 FilterOptions (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)







 FindOptions (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 ParentKey (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 SecurityOptions (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 TransactionOptions (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	

Public Instance Methods

 Abort (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 ClearCache (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 Create (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 <u>Create</u>	Overloaded.
 Delete (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 DeleteAll (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 <u>DeleteByID</u>	
 <u>Equals</u> (inherited from Object)	Determines whether the specified <u>Object</u> is equal to the current <u>Object</u> .
 Find (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 <u>Find</u>	Overloaded.
 FindAll (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 FindAllWithBlock (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 <u>FindByID</u>	
 <u>GetHashCode</u> (inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 <u>GetType</u> (inherited from Object)	Gets the <u>Type</u> of the current instance.
 <u>Save</u>	
 <u>ToString</u> (inherited from Object)	Returns a <u>String</u> that represents the current <u>Object</u> .

Protected Instance Methods

 CanCreate (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 CanDelete (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 CanSave (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	

 <u>Finalize</u> (Inherited from Object)	Allows an <u>Object</u> to attempt to free resources and perform other cleanup operations before the <u>Object</u> is reclaimed by garbage collection.
 <u>GetService</u> (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 <u>GetService</u> (Inherited from Microsoft.BusinessFramework.Agent.ServiceProvider)	Overloaded.
 <u>MemberwiseClone</u> (Inherited from Object)	Creates a shallow copy of the current <u>Object</u> .
 <u>VerifyEntity</u> (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 <u>VerifyKey</u> (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	

Protected Internal Instance Methods

 <u>OnGetEntity</u> (Inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)
--

See Also

[PersistentTreeVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeVirtualCollection Constructor**

Initializes a new instance of the PersistentTreeVirtualCollection class.

Overload List

Initializes a new instance of the PersistentTreeVirtualCollection class.

```
public PersistentTreeVirtualCollection();
public PersistentTreeVirtualCollection(Type);
```

See Also

[PersistentTreeVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***PersistentTreeVirtualCollection Constructor ()**

Initializes a new instance of the PersistentTreeVirtualCollection class.

```
public PersistentTreeVirtualCollection();
```

See Also

[PersistentTreeVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [PersistentTreeVirtualCollection Constructor Overload List](#)

*Common Help***PersistentTreeVirtualCollection Constructor (Type)**

```
public PersistentTreeVirtualCollection(
    Type treeType
);
```

See Also


















[PersistentTreeVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [PersistentTreeVirtualCollection Constructor Overload List](#)

*Common Help***PersistentTreeVirtualCollection Methods**









The methods of the **PersistentTreeVirtualCollection** class are listed below. For a complete list of **PersistentTreeVirtualCollection** class members, see the [PersistentTreeVirtualCollection Members](#) topic.

Public Instance Methods

	Overloaded.
--	-------------

 Abort (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 ClearCache (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 Create (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 Create	Overloaded.
 Delete (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 DeleteAll (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 DeleteByID	
 Equals (inherited from Object)	Determines whether the specified Object is equal to the current Object .
 Find (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 Find	Overloaded.
 FindAll (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 FindAllWithBlock (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 FindByID	
 GetHashCode (inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 GetType (inherited from Object)	Gets the Type of the current instance.
 Save	
 ToString (inherited from Object)	Returns a String that represents the current Object .

Protected Instance Methods

 CanCreate (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 CanDelete (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 CanSave (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	
 Finalize (inherited from Object)	Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection.
 GetService (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	Overloaded.
 GetService (inherited from Microsoft.BusinessFramework.Agent.ServiceProvider)	Overloaded.
 MemberwiseClone (inherited from Object)	Creates a shallow copy of the current Object .
 VerifyEntity (inherited from Microsoft.BusinessFramework.Entity.EntityVirtualCollection)	

 **VerifyKey** (Inherited from **Microsoft.BusinessFramework.Entity.EntityVirtualCollection**)

Protected Internal Instance Methods

 **OnGetEntity** (Inherited from **Microsoft.BusinessFramework.Entity.EntityVirtualCollection**)

See Also

[PersistentTreeVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

PersistentTreeVirtualCollection.Create Method

Overload List

[new public PersistentTree Create\(\);](#)

Inherited from [EntityVirtualCollection](#).

[public virtual IEntity Create\(EntityKey\);](#)

See Also

[PersistentTreeVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

PersistentTreeVirtualCollection.Create Method ()

```
new public PersistentTree Create();
```

See Also

[PersistentTreeVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [PersistentTreeVirtualCollection.Create Overload List](#)

Common Help

PersistentTreeVirtualCollection.DeleteByID Method

```
public void DeleteByID(
    Guid persistentTreeID
);
```

See Also

[PersistentTreeVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

PersistentTreeVirtualCollection.Find Method

Overload List

[new public PersistentTree Find\(EntityCriteria\);](#)

Inherited from [EntityVirtualCollection](#).

[public virtual IEntity Find\(WhereExpression\);](#)

See Also

[PersistentTreeVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

PersistentTreeVirtualCollection.Find Method (EntityCriteria)

```
new public PersistentTree Find(
    EntityCriteria criteria
);
```

See Also

[PersistentTreeVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [PersistentTreeVirtualCollection.Find Overload List](#)

Common Help

PersistentTreeVirtualCollection.FindByID Method

```
public PersistentTree FindByID(  
    Guid persistentTreeID  
);
```

See Also

[PersistentTreeVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

PersistentTreeVirtualCollection.Save Method

```
new public void Save(  
    IEntity tree  
);
```

See Also

[PersistentTreeVirtualCollection Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

ReflectionHelper Class

Common methods that involve reflection.
For a list of all members of this type, see [ReflectionHelper Members](#).

[System.Object](#)
ReflectionHelper

```
public sealed class ReflectionHelper
```

Remarks

Common methods specific to organization structure that involve reflection.

Requirements

Namespace: [Microsoft.Business.Common.OrganizationStructure](#)
Assembly: Microsoft.Business.Common (in Microsoft.Business.Common.dll)

See Also







[ReflectionHelper Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help





ReflectionHelper Members

[ReflectionHelper overview](#)

Public Static Methods



 GetFilterableAttribute	Not for external use.
 GetFilterLinkAttribute	Not for external use.
 GetNodeType	Not for external use.
 GetPersistentTreeAttribute	Not for external use.
 IsFilterable	Overloaded. Checks if type is filterable.
 IsFilterableContainer	Overloaded. Checks if type is a filterable container.

Public Instance Methods

 Equals (inherited from Object)	Determines whether the specified Object is equal to the current Object .
 GetHashCode (inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 GetType (inherited from Object)	Gets the Type of the current instance.
 ToString (inherited from Object)	Returns a String that represents the current Object .

Protected Instance Methods

--	--

 Finalize (inherited from Object)	Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection.
 MemberwiseClone (inherited from Object)	Creates a shallow copy of the current Object .







See Also

[ReflectionHelper Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)





*Common Help***ReflectionHelper Methods**

The methods of the **ReflectionHelper** class are listed below. For a complete list of **ReflectionHelper** class members, see the [ReflectionHelper Members](#) topic.



Public Static Methods

 GetFilterableAttribute	Not for external use.
 GetFilterLinkAttribute	Not for external use.
 GetNodeType	Not for external use.
 GetPersistentTreeAttribute	Not for external use.
 IsFilterable	Overloaded. Checks if type is filterable.
 IsFilterableContainer	Overloaded. Checks if type is a filterable container.

Public Instance Methods

 Equals (inherited from Object)	Determines whether the specified Object is equal to the current Object .
 GetHashCode (inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 GetType (inherited from Object)	Gets the Type of the current instance.
 ToString (inherited from Object)	Returns a String that represents the current Object .

Protected Instance Methods

 Finalize (inherited from Object)	Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection.
 MemberwiseClone (inherited from Object)	Creates a shallow copy of the current Object .

See Also

[ReflectionHelper Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***ReflectionHelper.GetFilterableAttribute Method**

Not for external use.

```
public static FilterableAttribute GetFilterableAttribute(
    Type linkType,
    Type filterableType
);
```

See Also

[ReflectionHelper Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***ReflectionHelper.GetFilterLinkAttribute Method**

Not for external use.

```
public static FilterLinkAttribute GetFilterLinkAttribute(
    Type filterLinkType
);
```



```
};
```

See Also

[ReflectionHelper Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***ReflectionHelper.GetNodeType Method**

Not for external use.

```
public static Type GetNodeType(  
    Type treeType  
);
```

See Also

[ReflectionHelper Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***ReflectionHelper.GetPersistentTreeAttribute Method**

Not for external use.

```
public static PersistentTreeAttribute GetPersistentTreeAttribute(  
    Type treeType  
);
```

See Also

[ReflectionHelper Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***ReflectionHelper.IsFilterable Method**

Checks if an object is filterable.

Overload List

Checks if an object is filterable.

```
public static bool IsFilterable(object);
```

Checks if type is filterable.

```
public static bool IsFilterable(Type);
```

See Also

[ReflectionHelper Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***ReflectionHelper.IsFilterable Method (Object)**

Checks if an object is filterable.

```
public static bool IsFilterable(  
    object obj  
);
```

Parameters

obj

Return Value

True if object's type is decorated with Filterable attribute; false otherwise.

See Also

[ReflectionHelper Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [ReflectionHelper.IsFilterable Overload List](#)

*Common Help***ReflectionHelper.IsFilterable Method (Type)**

Checks if type is filterable.

```
public static bool IsFilterable(  
    Type type  
);
```

Parameters

type

A type to check.

Return Value

True if type is decorated with [FilterableAttribute](#); false otherwise.

See Also

[ReflectionHelper Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [ReflectionHelper.IsFilterable Overload List](#)

Common Help

ReflectionHelper.IsFilterableContainer Method

Checks if an object is a filterable container.

Overload List

Checks if an object is a filterable container.

```
public static bool IsFilterableContainer(object);
```

Checks if type is a filterable container.

```
public static bool IsFilterableContainer(Type);
```

See Also

[ReflectionHelper Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

ReflectionHelper.IsFilterableContainer Method (Object)

Checks if an object is a filterable container.

```
public static bool IsFilterableContainer(  
    object obj  
);
```

Parameters

obj

Return Value

True if object's type is decorated with [FilterableContainerAttribute](#); false otherwise.

See Also

[ReflectionHelper Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [ReflectionHelper.IsFilterableContainer Overload List](#)

Common Help

ReflectionHelper.IsFilterableContainer Method (Type)

Checks if type is a filterable container.

```
public static bool IsFilterableContainer(  
    Type type  
);
```

Parameters

type

A type to check.

Return Value

True if type is decorated with [FilterableContainer](#) attribute; false otherwise.

See Also

[ReflectionHelper Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#) | [ReflectionHelper.IsFilterableContainer Overload List](#)

Common Help

UpdatePersistentTreeActivity Class

Used internally to update persistent tree with changes from cache.

For a list of all members of this type, see [UpdatePersistentTreeActivity Members](#).

[System.Object](#)

[ServiceProvider](#)

Agent
BusinessActivity
UpdatePersistentTreeActivity

```
public class UpdatePersistentTreeActivity : BusinessActivity
```

Requirements

Namespace: [Microsoft.Business.Common.OrganizationStructure](#)

Assembly: Microsoft.Business.Common (in Microsoft.Business.Common.dll)

See Also


[UpdatePersistentTreeActivity Members](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help














UpdatePersistentTreeActivity Members

[UpdatePersistentTreeActivity overview](#)





Public Instance Constructors





 UpdatePersistentTreeActivity Constructor	Initializes a new instance of the UpdatePersistentTreeActivity class.
--	---

Public Instance Properties



 ActivityID (Inherited from Microsoft.BusinessFramework.Activity.BusinessActivity)	
 Cache	Not for external use.
 CreatedNodes	Not for external use.
 DeletedNodes	Not for external use.
 HasChanged (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 HasChangedFlags (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 IsNew (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 IsReadOnly (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 ModifiedNodes	Not for external use.
 PersistentTree	Not for external use.
 PropertyBindingManager (Inherited from Microsoft.BusinessFramework.Agent.Agent)	
 State (Inherited from Microsoft.BusinessFramework.Activity.BusinessActivity)	
 ValidationInfo (Inherited from Microsoft.BusinessFramework.Agent.Agent)	

Public Instance Methods




 Equals (Inherited from Object)	Determines whether the specified Object is equal to the current Object .
 GetHashCode (Inherited from Object)	Serves as a hash function for a particular type, suitable for use in hashing algorithms and data structures like a hash table.
 GetProperty (Inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 GetType (Inherited from Object)	Gets the Type of the current instance.

 IsValid (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 OnDeserialization (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 SetHasChanged (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 ToString (inherited from Object)	Returns a <u>String</u> that represents the current <u>Object</u> .










Public Instance Events

 Defaulting (inherited from Microsoft.BusinessFramework.Agent.Agent)
 Validating (inherited from Microsoft.BusinessFramework.Agent.Agent)

Protected Instance Properties

 ServiceEventManager (inherited from Microsoft.BusinessFramework.Agent.Agent)
 ShouldInitializeEventBroker (inherited from Microsoft.BusinessFramework.Agent.Agent)
 ShouldValidateProperties (inherited from Microsoft.BusinessFramework.Agent.Agent)

Protected Instance Methods

 Finalize (inherited from Object)	Allows an <u>Object</u> to attempt to free resources and perform other cleanup operations before the <u>Object</u> is reclaimed by garbage collection.
 GetService (inherited from Microsoft.BusinessFramework.Agent.ServiceProvider)	Overloaded.
 InvokeDefaulting (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 InvokeValidating (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 MemberwiseClone (inherited from Object)	Creates a shallow copy of the current <u>Object</u> .
 OnDefaulting (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 OnPropertyValueChanged (inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 OnPropertyValueChanging (inherited from Microsoft.BusinessFramework.Agent.Agent)	Overloaded.
 OnValidating (inherited from Microsoft.BusinessFramework.Agent.Agent)	









Protected Internal Instance Properties

 ValidationMode (inherited from Microsoft.BusinessFramework.Agent.Agent)
--

Protected Internal Instance Methods

 SetValidationMode (inherited from Microsoft.BusinessFramework.Agent.Agent)

Explicit Interface Implementations

 IActivity.Abort (inherited from Microsoft.BusinessFramework.Activity.BusinessActivity)
 IActivity.Confirm (inherited from Microsoft.BusinessFramework.Activity.BusinessActivity)
 IActivity.Execute (inherited from Microsoft.BusinessFramework.Activity.BusinessActivity)
 IActivityConsumer.GetActivityContext (inherited from Microsoft.BusinessFramework.Activity.BusinessActivity)
 IActivityConsumer.SetActivityContext (inherited from Microsoft.BusinessFramework.Activity.BusinessActivity)
 IAgent.Defaulting (inherited from Microsoft.BusinessFramework.Agent.Agent)
 IAgent.SetPropertyBindingManager (inherited from Microsoft.BusinessFramework.Agent.Agent)
 IAgent.Validating (inherited from Microsoft.BusinessFramework.Agent.Agent)

See Also

[UpdatePersistentTreeActivity Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***UpdatePersistentTreeActivity Constructor**

Initializes a new instance of the UpdatePersistentTreeActivity class.

```
public UpdatePersistentTreeActivity();
```











See Also

[UpdatePersistentTreeActivity Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

*Common Help***UpdatePersistentTreeActivity Properties**

The properties of the **UpdatePersistentTreeActivity** class are listed below. For a complete list of **UpdatePersistentTreeActivity** class members, see the [UpdatePersistentTreeActivity Members](#) topic.

Public Instance Properties

 ActivityID (inherited from Microsoft.BusinessFramework.Activity.BusinessActivity)	
 Cache	Not for external use.
 CreatedNodes	Not for external use.
 DeletedNodes	Not for external use.
 HasChanged (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 HasChangedFlags (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 IsNew (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 IsReadOnly (inherited from Microsoft.BusinessFramework.Agent.Agent)	
 ModifiedNodes	Not for external use.
 PersistentTree	Not for external use.

 **PropertyBindingManager** (Inherited from **Microsoft.BusinessFramework.Agent.Agent**)

 **State** (Inherited from **Microsoft.BusinessFramework.Activity.BusinessActivity**)

 **ValidationInfo** (Inherited from **Microsoft.BusinessFramework.Agent.Agent**)

Protected Instance Properties

 **ServiceEventManager** (Inherited from **Microsoft.BusinessFramework.Agent.Agent**)

 **ShouldInitializeEventBroker** (Inherited from **Microsoft.BusinessFramework.Agent.Agent**)

 **ShouldValidateProperties** (Inherited from **Microsoft.BusinessFramework.Agent.Agent**)

Protected Internal Instance Properties

 **ValidationMode** (Inherited from **Microsoft.BusinessFramework.Agent.Agent**)

See Also

[UpdatePersistentTreeActivity Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

UpdatePersistentTreeActivity.Cache Property

Not for external use.

```
public PersistentTreeCache Cache {get;}
```

See Also

[UpdatePersistentTreeActivity Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

UpdatePersistentTreeActivity.CreatedNodes Property

Not for external use.

```
public System.Collections.ICollection CreatedNodes {get;}
```

See Also

[UpdatePersistentTreeActivity Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

UpdatePersistentTreeActivity.DeletedNodes Property

Not for external use.

```
public System.Collections.ICollection DeletedNodes {get;}
```

See Also

[UpdatePersistentTreeActivity Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

UpdatePersistentTreeActivity.ModifiedNodes Property

Not for external use.

```
public System.Collections.ICollection ModifiedNodes {get;}
```

See Also

[UpdatePersistentTreeActivity Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)

Common Help

UpdatePersistentTreeActivity.PersistentTree Property

Not for external use.

```
public PersistentTree PersistentTree {get;}
```

See Also

[UpdatePersistentTreeActivity Class](#) | [Microsoft.Business.Common.OrganizationStructure Namespace](#)